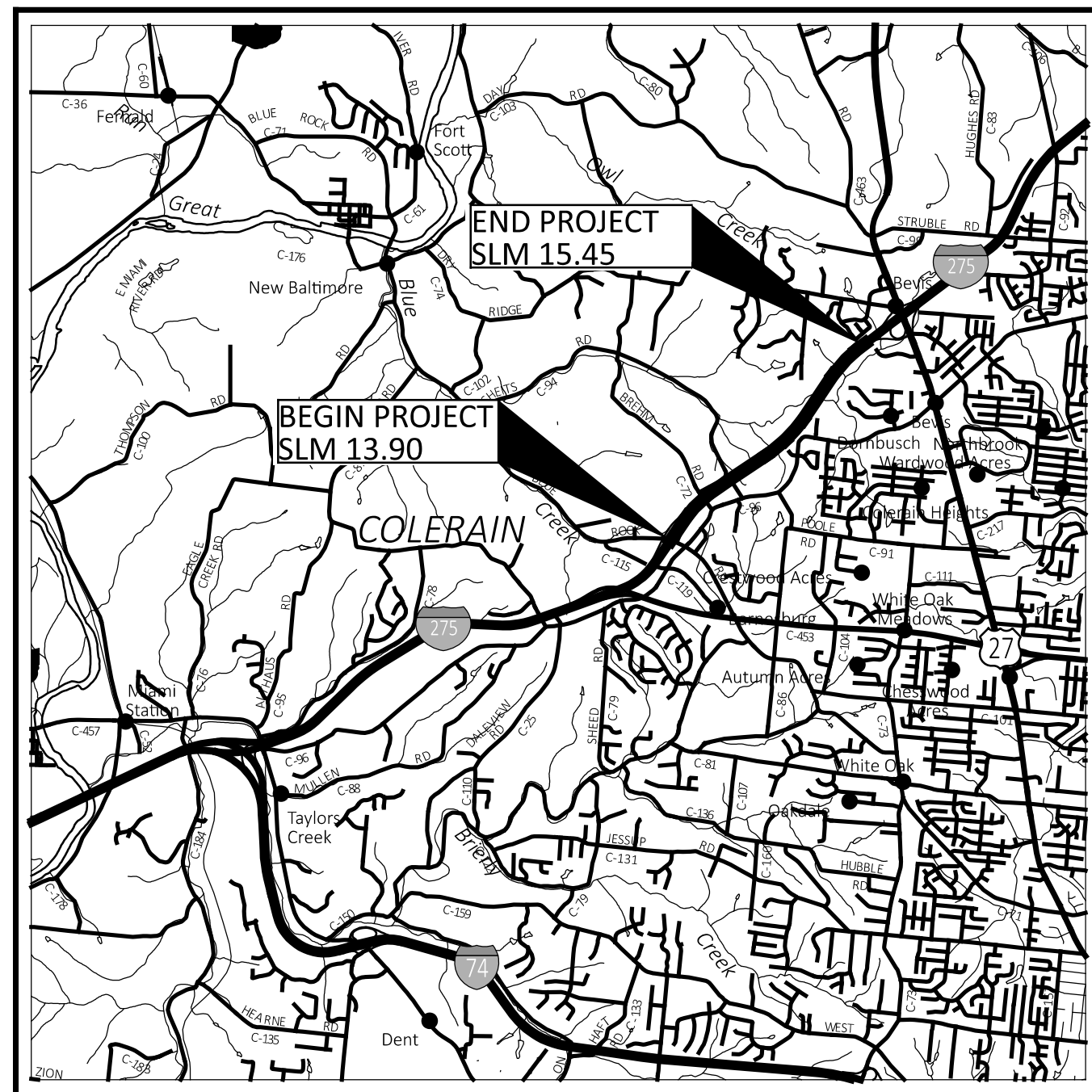


# STATE OF OHIO DEPARTMENT OF TRANSPORTATION

## HAM IR 275 13.90

COLERAIN TOWNSHIP  
HAMILTON COUNTY



LOCATION MAP

LATITUDE: 39°14'36" LONGITUDE: -84°37'00"



PORTION TO BE IMPROVED	=====
INTERSTATE HIGHWAY	=====
FEDERAL ROUTES	=====
STATE ROUTES	=====
COUNTY & TOWNSHIP ROADS	=====
OTHER ROADS	-----

DESIGN DESIGNATION	HAM-275	
	13.40-14.13	14.13-15.96
CURRENT ADT (2025)	62,000	75,000
DESIGN YEAR ADT (2045)	65,000	78,500
DESIGN HOURLY VOLUME (2045)	8,400	10,500
DIRECTIONAL DISTRIBUTION	69%	56%
TRUCKS (24 HOUR B&C)	10%	12%
DESIGN SPEED	70	70
LEGAL SPEED	65	65
DESIGN FUNCTIONAL CLASSIFICATION:		
01 INTERSTATE (URBAN)		
NHS PROJECT	YES	

### DESIGN EXCEPTIONS

DESIGN FEATURE	APPROVAL DATE	SHEET NUMBER
PAVED/GRADED SHOULDER	06/06/2024	4

### ADA DESIGN WAIVERS

NONE

**UNDERGROUND UTILITIES**  
Contact Two Working Days  
Before You Dig

  
**OHIO811.org**  
Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764  
(Non members must be called directly)

PLAN PREPARED BY:  
ODOT DISTRICT 8 ENGINEERING  
505 S. SR 741  
LEBANON, OH 45036

### INDEX OF SHEETS:

TITLE SHEET	1
SCHEMATIC	2-3
TYPICAL SECTION	4
GENERAL NOTES	5-6
MAINTENANCE OF TRAFFIC	7-19
GENERAL SUMMARY	20-21
PROJECT SITE PLAN	22
SUBSUMMARIES	23-24
PLAN AND PROFILE	25-41
CROSS SECTION	42-95
EARTHWORK QUANTITIES	96
DRAINAGE DETAILS	97-99
ARCHIVE SOIL BORINGS	100-134

STANDARD CONSTRUCTION DRAWINGS								SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS	
BP-3.1	1/19/24	RM-1.1	1/20/23	MT-95.30	7/19/19	TC-41.20	10/18/13	800-2023	1/19/24		
BP-9.1	1/18/19	RM-4.1	1/17/20	MT-95.45	7/21/23	TC-42.20	10/18/13	804	1/19/24		
				MT-95.50	7/21/17	TC-61.30	7/19/24	807	1/21/22		
CB-4	7/16/21	ITS-14.10	4/21/23	MT-99.30	1/17/20	TC-65.10	1/17/14	808	1/18/19		
		ITS-14.11	1/19/24	MT-101.70	4/21/23	TC-65.11	1/19/24	809	1/19/24		
DM-1.1	7/17/20	ITS-14.60	1/19/24	MT-101.75	7/21/23	TC-72.20	7/21/23	829	1/20/17		
DM-1.2	7/16/21			MT-101.90	7/17/20			832	7/21/23		
DM-4.3	1/15/16	MH-1	7/15/22	MT-102.10	7/21/23			850	7/21/23		
DM-4.4	1/15/16	MH-3	7/19/23	MT-102.30	10/16/15			872	1/21/22		
				MT-103.10	1/21/22			905	4/17/20		
MGS-1.1	7/16/21			MT-104.10	1/19/24			909	7/19/24		
MGS-2.1	1/19/18			MT-105.10	1/17/20						
MGS-4.2	7/19/13										
MGS-5.2	7/15/16										
MGS-6.1	1/19/18										
MGS-6.2	7/19/19										

### FEDERAL PROJECT NUMBER

E240(471)

### RAILROAD INVOLVEMENT

NONE

### PROJECT DESCRIPTION

CONSTRUCTION OF MEDIAN CABLE BARRIER ON I-275 FROM BLUE ROCK RD TO US-27.

### EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	8.78 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	2.0 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	10.78 ACRES

### LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

### 2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

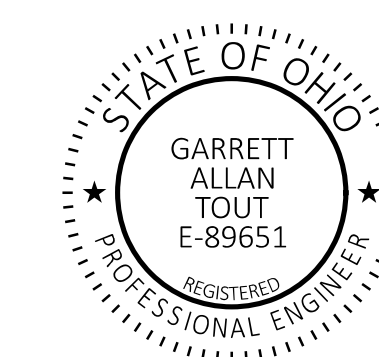
### DISTRICT DEPUTY DIRECTOR

*Tammy K Campbell*

DIRECTOR, DEPARTMENT OF TRANSPORTATION

*Jack M. ...*

### ENGINEER'S SEAL



TITLE SHEET

DESIGN AGENCY



DESIGNER

GAT

REVIEWER

XXX MM-DD-YY

PROJECT ID

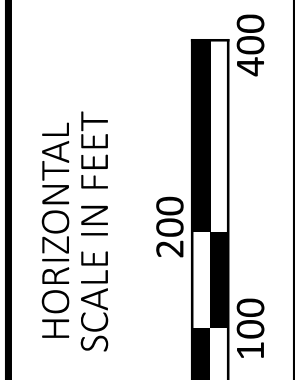
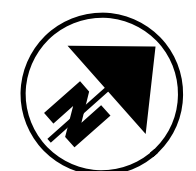
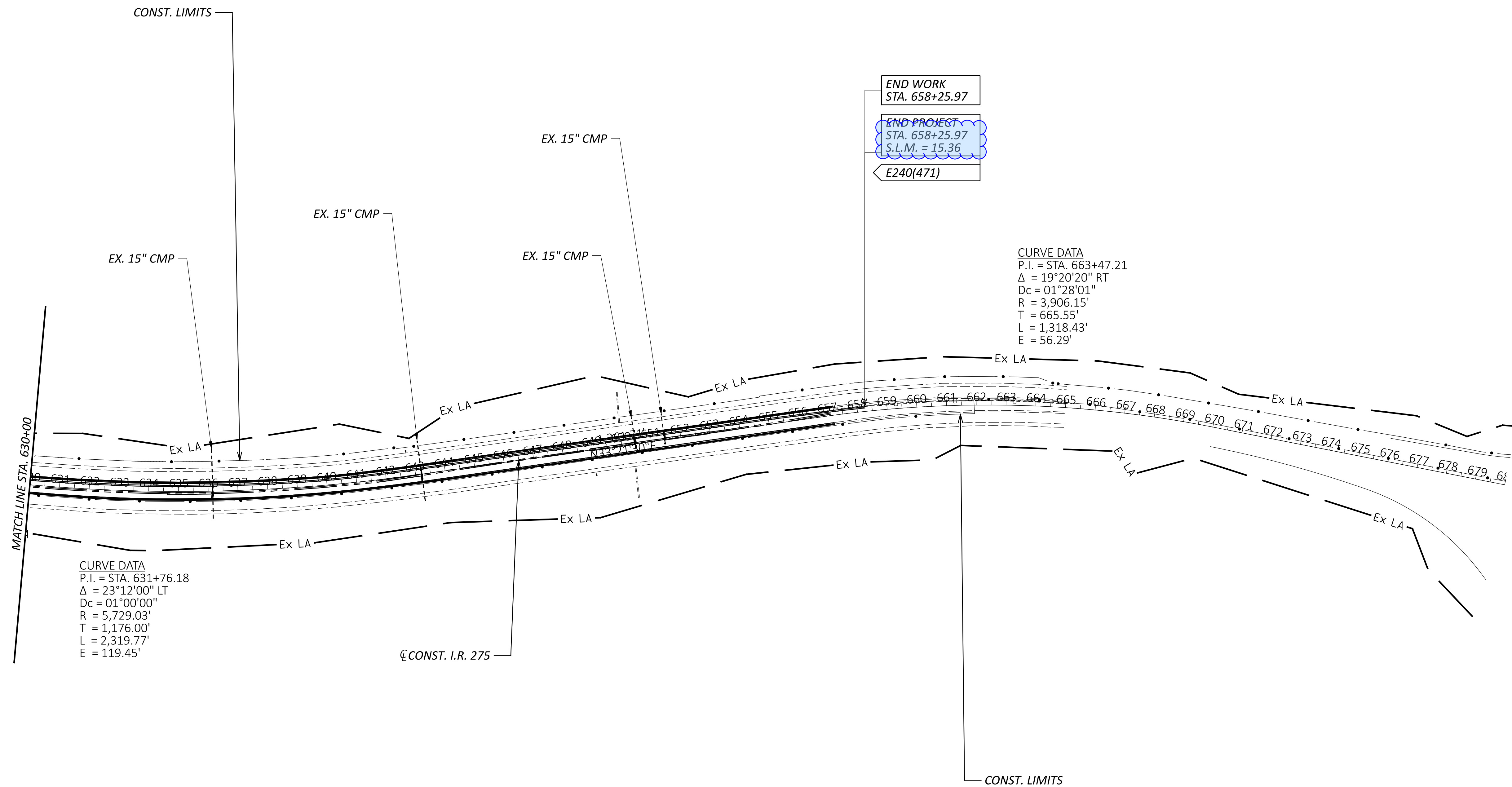
118051

SHEET TOTAL

P.1 134

HAM-275-13.90

MODEL: Sheet\_SurvFI PAPER SIZE: 34x22 (in.) DATE: 8/21/2024 TIME: 9:21:10 AM USER: jeyrams  
pvc:\ohiodot-pw-bentley.com\ohiodot-pw-02\Documents\01 Active Projects\District 08\Hamilton\118051\400-Engineering\Roadway\Sheets\118051\_GTO01.dgn



**SCHEMATIC PLAN**  
**STA. 630+00 TO END OF PROJECT**

CURVE DATA  
 P.I. = STA. 631+76.18  
 $\Delta = 23^\circ 12' 00''$  LT  
 Dc = 01°00'00"  
 R = 5,729.03'  
 T = 1,176.00'  
 L = 2,319.77'  
 E = 119.45'

CURVE DATA  
 P.I. = STA. 663+47.21  
 $\Delta = 19^\circ 20' 20''$  RT  
 Dc = 01°28'01"  
 R = 3,906.15'  
 T = 665.55'  
 L = 1,318.43'  
 E = 56.29'

END WORK  
 STA. 658+25.97  
 END PROJECT  
 STA. 658+25.97  
 S.L.M. = 15.36  
 E240(471)

NOTE: THERE ARE NO EXISTING LANDSCAPED AREAS WITHIN THE WORK LIMITS

DESIGN AGENCY

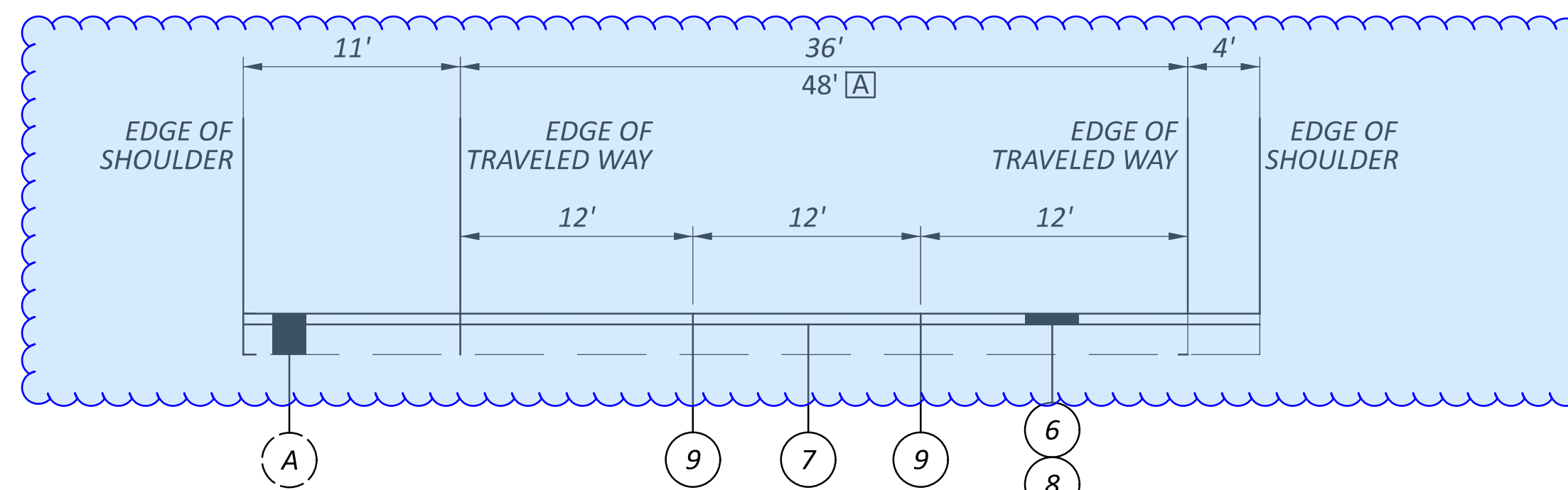


DESIGNER  
 TCS

REVIEWER  
 XXX MM-DD-YY

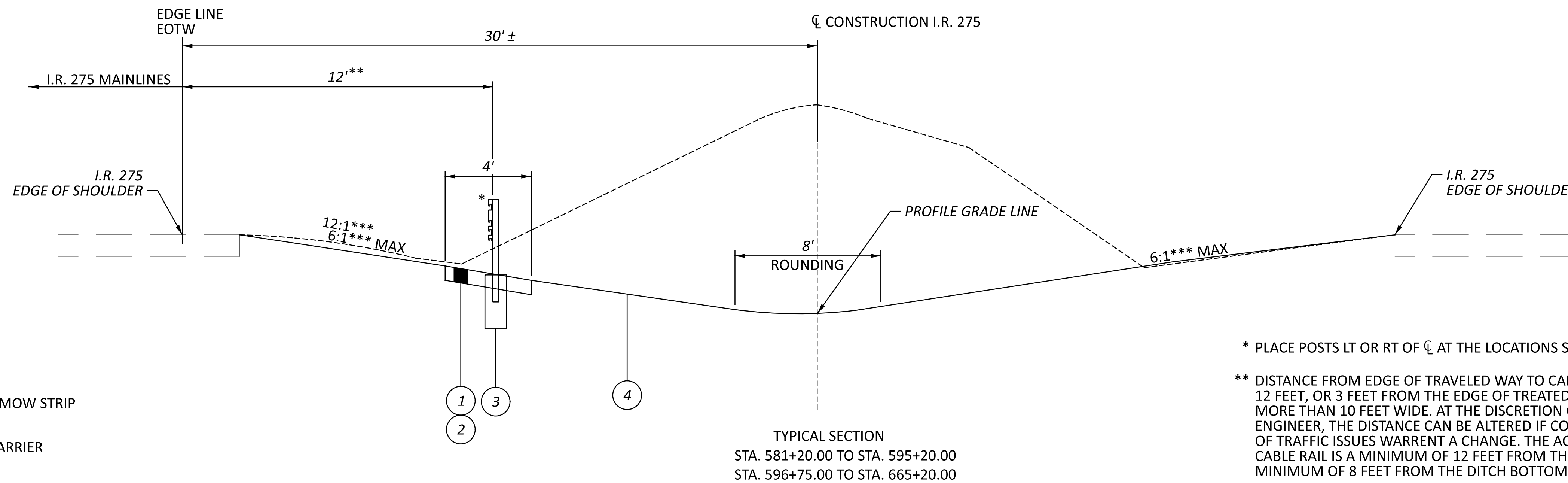
PROJECT ID  
 118051

SHEET TOTAL  
 3 134



RESURFACING - IR 275 WB  
 STA. 567+30.00 TO STA. 576+13.00  
 STA. 578+93.67 TO STA. 690+95.30

CL CONSTRUCTION I.R. 275



TYPICAL SECTION  
 STA. 581+20.00 TO STA. 595+20.00  
 STA. 596+75.00 TO STA. 665+20.00

\* PLACE POSTS LT OR RT OF CL AT THE LOCATIONS SHOWN IN THE PLAN SHEETS

\*\* DISTANCE FROM EDGE OF TRAVELED WAY TO CABLE RAIL SHALL BE A MINIMUM OF 12 FEET, OR 3 FEET FROM THE EDGE OF TREATED SHOULDER IF THE TREATED SHOULDER IS MORE THAN 10 FEET WIDE. AT THE DISCRETION OF THE CONTRACTOR AND THE PROJECT ENGINEER, THE DISTANCE CAN BE ALTERED IF CONSTRUCTABILITY AND/OR MAINTENANCE OF TRAFFIC ISSUES WARRANT A CHANGE. THE ACCEPTABLE RANGE FOR PLACEMENT OF THE CABLE RAIL IS A MINIMUM OF 12 FEET FROM THE EDGE OF TRAVELED WAY (EOTW) AND A MINIMUM OF 8 FEET FROM THE DITCH BOTTOM.

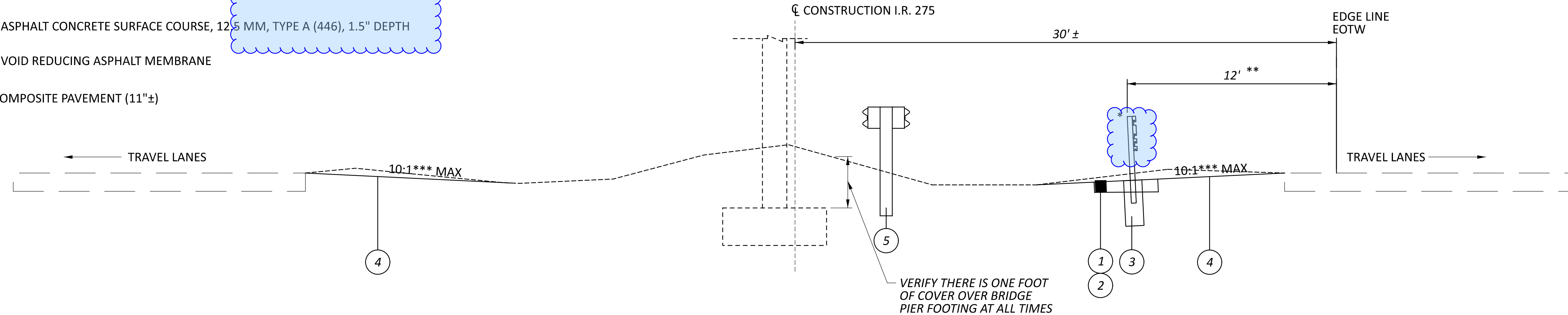
SHOULDER WIDTH (TREATED) NDC = 12'  
 PROPOSED DESIGN CRITERIA = 4'

\*\*\* SEE CROSS SECTIONS FOR GRADING DETAIL

[A] FROM STA 591+00 TO STA 596+00

LEGEND

- 1 ITEM 203 - 4" EXCAVATION
- 2 ITEM SPECIAL - 4" CONCRETE MOW STRIP
- 3 ITEM 606 - SPECIAL - CABLE BARRIER
- 4 ITEM 659 - SEEDING AND MULCHING
- 5 ITEM 606 - GUARDRAIL, BARRIER DESIGN, TYPE MGS
- 6 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE 1.5" DEPTH
- 7 ITEM 407 - NON-TRACKING TACK COAT
- 8 ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), 1.5" DEPTH
- 9 ITEM 872 - VOID REDUCING ASPHALT MEMBRANE
- A EXISTING COMPOSITE PAVEMENT (11"±)



TYPICAL SECTION  
 STA. 595+20.00 TO STA. 596+75.00

VERIFY THERE IS ONE FOOT OF COVER OVER BRIDGE PIER FOOTING AT ALL TIMES

DESIGN AGENCY



DESIGNER  
 TCS

REVIEWER

XXX MM-DD-YY

PROJECT ID

118051

SHEET TOTAL

4 134

**REVIEW OF DRAINAGE FACILITIES**

PRIOR TO THE START OF WORK AND AGAIN BEFORE FINAL ACCEPTANCE, PERFORM AN INSPECTION WITH REPRESENTATIVES OF THE DEPARTMENT, CONTRACTOR AND LOCALS OF ALL EXISTING DRAINAGE FACILITIES THAT ARE TO REMAIN IN SERVICE WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES IS DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION ARE MAINTAINED BY THE DEPARTMENT.

CONFIRM ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE-MENTIONED PARTIES ARE MAINTAINED AND LEFT IN A CONDITION COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. THE CONTRACTOR IS RESPONSIBLE TO CORRECT ANY CHANGE IN THE CONDITION RESULTING FROM THEIR OPERATIONS AS DIRECTED AND APPROVED BY THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.

**EXISTING SUBSURFACE DRAINAGE**

PROVIDE UNOBSTRUCTED OUTLETS FOR ALL EXISTING UNDERDRAINS OR AGGREGATE DRAINS ENCOUNTERED DURING CONSTRUCTION.

PROVIDE AN OUTLET PER STANDARD CONSTRUCTION DRAWING DM-1.1 FOR ALL UNDERDRAINS THAT OUTLET TO A SLOPE. UNDERDRAINS THAT CAN BE CONNECTED TO THE NEW OR EXISTING UNDERDRAINS AT THE END OF THE PROJECT LIMITS AS WELL AS ALL NECESSARY BENDS OR BRANCHES REQUIRED FOR CONNECTION ARE INCLUDED IN THE BASIS OF PAYMENT FOR UNCLASSIFIED PIPE UNDERDRAINS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

- ITEM 601, TIED CONCRETE BLOCK MAT, TYPE 1 1 SQ. YD.
- ITEM 611, 6" CONDUIT, TYPE F 50 FT.
- ITEM 611, PRECAST REINFORCED CONCRETE OUTLET 1 EACH

**POST CONSTRUCTION STORM WATER TREATMENT**

THIS PLAN UTILIZES STRUCTURAL BEST MANAGEMENT PRACTICES (BMP'S) FOR POST CONSTRUCTION STORM WATER TREATMENT.

**VEGETATED FILTER STRIP**

THIS PLAN UTILIZES VEGETATED FILTER STRIP(S) FOR POST CONSTRUCTION STORM WATER TREATMENT. PLACE EITHER ITEM 660 SODDING OR ITEM 659 SEEDING AND MULCHING WITH A 4-INCH LIFT OF TOPSOIL AND ITEM 670, SLOPE EROSION PROTECTION TO ALL DISTURBED AREAS DESIGNATED AS VEGETATED FILTER STRIPS, THE EDGE OF SHOULDER, AND THE FORESLOPE AS SPECIFIED IN THE PLANS.

**ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE B**

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE GUARDRAIL END TERMINALS FOR TYPE MGS GUARDRAIL AS LISTED ON ROADWAY ENGINEERING'S WEB PAGE UNDER ROADSIDE SAFETY DEVICES FOR APPROVED GUARDRAIL END TREATMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND, THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE.

THE FACE OF THE TYPE B IMPACT HEAD SHALL BE COVERED WITH TYPE G REFLECTIVE SHEETING, PER CMS 730.19.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE B, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING REFLECTIVE SHEETING AND ALL RELATED HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

**ITEM 254 - PAVEMENT PLANING**

THE PAVEMENT PLANING SHALL BE SCHEDULED SO AS TO BE COVERED BY THE SURFACE COURSE PRIOR TO REOPENING THE LANE TO TRAFFIC. THE COST OF THE ABOVE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE RESPECTIVE ITEM. A DISINCENTIVE IN THE AMOUNT OF \$17,000 SHALL BE ASSESSED FOR EACH DAY, OR PORTION THEREOF, A PLANED SURFACE IS OPEN TO TRAFFIC.

DESIGN AGENCY



DESIGNER

JY

REVIEWER

GAT MM-DD-YY

PROJECT ID

118051

SHEET TOTAL

6 | 134

**ITEM 614, MAINTAINING TRAFFIC**

A MINIMUM OF 3 LANE(S) OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT.

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR SPECIAL EVENTS:

- NEW YEAR'S (OBSERVED) GENERAL/REGULAR ELECTION DAY ((NOV) THANKSGIVING
- MEMORIAL DAY CHRISTMAS (OBSERVED)
- FOURTH OF JULY (OBSERVED)
- LABOR DAY

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR SPECIAL EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY TIME ALL LANES  
 OR SPECIAL EVENT MUST BE OPEN TO TRAFFIC

- SUNDAY 12:00N FRIDAY THROUGH 6:00 AM MONDAY
- MONDAY 12:00N FRIDAY THROUGH 6:00 AM TUESDAY
- MONDAY (TOTAL SOLAR ECLIPSE) 12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
- TUESDAY 12:00N MONDAY THROUGH 6:00 AM WEDNESDAY TUESDAY (GEN./REG. ELECTION)
- 5:00 AM TUESDAY THROUGH 12:00 AM WEDNESDAY
- WEDNESDAY 12:00N TUESDAY THROUGH 6:00 AM THURSDAY
- THURSDAY 12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY THURSDAY (THANKSGIVING ONLY)
- 6:00 AM WEDNESDAY THROUGH 6:00 AM MONDAY
- FRIDAY 12:00N THURSDAY THROUGH 6:00 AM MONDAY
- SATURDAY 12:00N FRIDAY THROUGH 6:00 AM MONDAY

DURING THE SAME PERIODS, MAINTAIN PEDESTRIAN ACCESS IF PEDESTRIAN ACCESS WAS PRESENT PRIOR TO CONSTRUCTION.

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE PER THE LANE VALUE CONTRACT (PN 127).

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN SIGNS AND SIGN SUPPORTS, AS DETAILED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND TYPE III BARRICADES OF THE TYPE AND LOCATION SHOWN IN STANDARD CONSTRUCTION DRAWINGS.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

**DRUM REQUIREMENTS**

IN ADDITION TO THE REQUIREMENTS OF THE PLANS, SPECIFICATION AND PROPOSAL, DRUMS FURNISHED BY THE CONTRACTOR SHALL BE NEW AND UNUSED AT THE TIME OF ARRIVAL ON THE PROJECT. ANY DRUMS BROUGHT ON THE PROJECT, WHICH HAVE PREVIOUSLY BEEN USED ELSEWHERE, WILL NOT BE ACCEPTED.

PAYMENT FOR DRUMS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR MAINTAINING TRAFFIC UNLESS SEPARATELY ITEMIZED.

**ITEM 622, PORTABLE BARRIER, 50", AS PER PLAN**

THIS WORK SHALL CONSIST OF FURNISHING, MAINTAINING, AND SUBSEQUENTLY REMOVING A 50-INCH PORTABLE BARRIER AT THE LOCATIONS SHOWN ON THE PLANS. FOR DETAILS, SEE SCD RM-4.1.

PORTABLE STEEL BARRIER IS AN APPROVED ALTERNATIVE TO PORTABLE CONCRETE BARRIER. FOR INFORMATION ON APPROVED VENDORS, SEE THE APPROVED PRODUCTS LIST MAINTAINED BY THE OFFICE OF ROADWAY ENGINEERING.

PORTABLE BARRIER, 32 INCHES HIGH WITH AN 18-INCH MINIMUM HEIGHT GLARE SCREEN MAY BE USED AT THE OPTION OF THE CONTRACTOR. THE GLARE SCREEN SHALL BE CONSTRUCTED USING ONE OF THE SCREENS PROVIDED ON THE APPROVED LIST, AVAILABLE ON THE OFFICE OF ROADWAY ENGINEERING WEBSITE.

PADDLE OR INTERMITTENT TYPE GLARE SCREENS SHALL BE DESIGNED USING A 20 DEGREE CUT-OFF ANGLE BASED ON TANGENT ALIGNMENT. THAT SPACING SHALL BE USED THROUGHOUT THE BARRIER LENGTH WITHOUT REGARD TO BARRIER CURVATURE.

THE GLARE SCREEN SYSTEM SHALL BE SECURELY FASTENED TO THE 32-INCH PORTABLE BARRIER USING THE HARDWARE AND PROCEDURES SPECIFIED BY THE MANUFACTURER.

FOR DIRECTIONS ON HOW TO INSTALL THE GLARE SCREEN AND THE BARRIER, SEE THE MANUFACTURER'S INSTRUCTIONS.

PAYMENT SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO PERFORM THE WORK AND SHALL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR ITEM 622, PORTABLE BARRIER, 50", AS PER PLAN.

**ITEM 614, REPLACEMENT SIGN**

FLATSHEET SIGNS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE ENGINEER. REPLACEMENT SIGNS SHALL BE NEW. OTHER MATERIALS MAY BE IN USED, BUT GOOD, CONDITION SUBJECT TO APPROVAL BY THE ENGINEER.

PAYMENT FOR THE NEW SIGNS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM 614, REPLACEMENT SIGN, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF DAMAGED SIGNS, HARDWARE AND SUPPORTS, AND PROVIDING THE NECESSARY REPLACEMENT HARDWARE, SUPPORTS, ETC.

AN ESTIMATED QUANTITY OF 10 EACH HAS BEEN PROVIDED IN THE GENERAL SUMMARY.

**PERMITTED LANE CLOSURE SCHEDULE (PLCS)**

LANE CLOSURE(S) SHALL CONFORM TO THE PLCS. PUBLISHED PLCS INFORMATION CAN BE FOUND ON THE ODOT WEBSITE AT: [HTTPS://WWW.TRANSPORTATION.OHIO.GOV/WPS/PORTAL/GOV/ODOT/WORKING/DATA-TOOLS/RESOURCES/PERMITTED-LANE-CLOSURE](https://www.transportation.ohio.gov/wps/portal/gov/odot/working/data-tools/resources/permited-lane-closure)

THE MONTHLY PUBLISHED SCHEDULES REQUIRED TO BE USED, FOR EACH PLCS SEGMENT WITHIN THE PROJECT AREA, ARE THOSE THAT COMPRISE THE CONSECUTIVE 12-MONTH PERIOD BEGINNING 15 MONTHS PRIOR TO THE MONTH AND YEAR OF SALE AND ENDING 4 MONTHS PRIOR TO THE MONTH AND YEAR OF SALE. THESE SAME 12 MONTHS APPLY FOR THE LIFE OF THE PROJECT AND SHALL BE APPLIED TO EACH RESPECTIVE MONTH OF CONSTRUCTION (MONTH OF LANE CLOSURE(S) SHALL MATCH MONTH OF PLCS USED). LANE CLOSURE(S) IN PLACE FOR MULTIPLE MONTHS SHALL ALWAYS COMPLY WITH THE CURRENT RESPECTIVE MONTH.

(FOR EXAMPLE: IF THE SALE DATE FOR THE PROJECT WAS MARCH OF 2021, THE MONTHLY PUBLISHED SCHEDULES FOR EACH APPLICABLE PLCS SEGMENT WOULD BE DECEMBER 2019 TO NOVEMBER 2020. IF THIS WAS A THREE-YEAR PROJECT, YEAR THREE WOULD STILL BE USING THE DECEMBER 2019 TO NOVEMBER 2020 MONTHLY SCHEDULES. IF THE PROJECT DESIRED TO CLOSE TWO LANES IN JUNE 2021, REFERENCE WOULD BE MADE TO THE JUNE 2020 SCHEDULE(S) FOR THE RESPECTIVE PLCS SEGMENT(S). IF THE SAME TWO LANES WERE DESIRED TO BE CLOSED AGAIN IN JULY 2021, REFERENCE WOULD BE MADE TO THE JULY 2020 SCHEDULE(S) FOR THE RESPECTIVE PLCS SEGMENT(S).)

MORE RESTRICTIVE CHANGES TO THE ALLOWABLE LANE CLOSURE HOURS ARE AT THE DISCRETION OF THE ENGINEER IN ORDER TO COMPLY WITH THE TRAFFIC MANAGEMENT IN WORK ZONES POLICY (21-008(P)) AND STANDARD PROCEDURE (123-001(SP)).

LESS RESTRICTIVE CHANGES TO THE ALLOWABLE LANE CLOSURE HOURS ARE SUBJECT TO THE TRAFFIC MANAGEMENT IN WORK ZONES POLICY (21-008(P)) AND STANDARD PROCEDURE (123-001(SP)) AND SHALL NOT BE IMPLEMENTED UNTIL, AND UNLESS, APPROVED BY THE PROPER ODOT AUTHORITY.

ALLOWABLE LANE CLOSURE HOURS FOR FACILITIES NOT COVERED BY THE PLCS, IF ANY, SHALL BE AS SPECIFIED ELSEWHERE IN THE PLANS.

LANE VALUE CONTRACT TABLE			
DESCRIPTION OF CRITICAL LANE/RAMP TO BE MAINTAINED	PERMITTED TIME PERIOD	TIME UNIT	DISINCENTIVE \$ PER TIME UNIT
I-275 EAST BOUND			
ALL LANES OPEN TO TRAFFIC	9 PM TO 5 AM	1 MINUTE PERIOD	\$285
I-275 WEST BOUND			
ALL LANES OPEN TO TRAFFIC	11 PM TO 6 AM	1 MINUTE PERIOD	\$285

**ITEM 614, WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN**

WORK ZONE RAISED PAVEMENT MARKERS, AS PER PLAN, AND THEIR INSTALLATION SHALL CONFORM TO C&MS 614 OR C&MS 621 AS SPECIFIED HEREIN.

RAISED PAVEMENT MARKERS IN USE DURING THE SNOW-PLOWING SEASON SHALL CONFORM TO 621.

RAISED PAVEMENT MARKERS IN USE DURING THE NON-SNOW-PLOW SEASON SHALL CONFORM TO EITHER 614 OR TO 621.

THE SNOW-PLOWING SEASON SHALL RUN FROM OCTOBER 15TH THROUGH APRIL 1ST.

IF PROJECT DELAYS, NOT THE FAULT OF ODOT, CAUSE THE WORK TO EXTEND INTO THE SNOW-PLOWING SEASON, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING WORK ZONE RAISED PAVEMENT MARKERS (WZRPMS) CONFORMING TO C&MS 614, WITH RAISED PAVEMENT MARKERS CONFORMING TO 621, AS DETERMINED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

THIS ITEM SHALL INCLUDE PURCHASE, INSTALLATION AND REMOVAL OF ITEM 614 WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN, INCLUDING FILLING OF ANY DEPRESSIONS CREATED IN THE PAVEMENT AS PER C&MS 621.08.

RESURFACING AREA SHOWN ON PLAN SHEETS SHALL BE PERFORMED AT THE TIME THAT THE SURFACE COURSE IS BEING APPLIED TO THE ENTIRE PROJECT. PRIOR TO APPLICATION OF THE SURFACE COURSE ON THE PROJECT, THE EXISTING PAVEMENT WITHIN THE TRANSITION AREA SHALL BE REMOVED TO A DEPTH NECESSARY TO REACH THE LEVEL OF THE INTERMEDIATE COURSE OF THE PAVEMENT, AS DETERMINED BY THE ENGINEER.

THE FOLLOWING BID ITEMS SHOULD BE INCLUDED IN THE PLANS:

- ITEM 614 WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN 737 EACH
- ITEM 254 PAVEMENT PLANING, ASPHALT CONCRETE 72979 SQUARE YARDS
- ITEM 407 NON-TRACKING TACK COAT 4907 GALLON
- ITEM 442 ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446) 1.5" DEPTH 2272 CUBIC YARD

ITEM 872 VOID REDUCING ASPHALT MEMBRANE 23,232 FT

PAYMENT FOR RESURFACING SHOWN ON THE PLAN SHEETS SHALL BE PAID FOR UNDER THE APPROPRIATE BID ITEMS FOR THE WORK REQUIRED, AS PROVIDED FOR IN THE PLANS.

DESIGN AGENCY



DESIGNER  
GAT

REVIEWER

XXX MM-DD-YY

PROJECT ID  
118051

SHEET TOTAL  
7 134

**WORK ZONE SPEED ZONES (WZSZS)**

THE FOLLOWING WORK ZONE SPEED ZONE (WZSZ) SPEED LIMIT REVISION(S) HAVE BEEN APPROVED FOR USE ON THIS PROJECT WHEN WORK ZONE CONDITIONS AND FACTORS ARE MET AS DESCRIBED BELOW:

WZSZ REVISION NUMBER(S) COUNTY-ROUTE-SECTION(S) DIRECTION(S)  
WZ-45131 HAM-IR275-13.80 TO 16.10 WB  
WZ-  
WZ-

POTENTIAL WZSZ LOCATIONS SHALL HAVE AN ORIGINAL (PRE-CONSTRUCTION) POSTED SPEED LIMIT OF 55 MPH OR GREATER, A QUALIFYING WORK ZONE CONDITION OF AT LEAST 0.5 MILE IN LENGTH, AN EXPECTED WORK DURATION OF AT LEAST THREE HOURS, AND A WORK ZONE CONDITION IN PLACE THAT REDUCES THE EXISTING FUNCTIONALITY OF THE TRAVEL LANES OR SHOULDERS (I.E., LANE CLOSURE, LANE SHIFT, CROSSOVER, CONTRAFLOW AND/OR SHOULDER CLOSURE). THE LENGTH OF THE WORK ZONE CONDITION IS MEASURED FROM THE BEGINNING OF THE TAPER FOR THE SUBJECT WORK ZONE CONDITION IMPACTING THE TRAVEL LANES AND/OR SHOULDER TO THE END OF THE DOWNSTREAM TAPER, WHERE DRIVERS ARE RETURNED TO TYPICAL ALIGNMENT. AN EXPECTED WORK DURATION OF AT LEAST THREE HOURS IS REQUIRED TO BALANCE THE ADDITIONAL EXPOSURE CREATED BY INSTALLING AND REMOVING WZSZ SIGNING WITH THE TIME NEEDED TO COMPLETE THE WORK.

IF THE WORK ZONE MEETS THESE MINIMUM CRITERIA, IT SHALL BE ANALYZED FURTHER USING TABLE 1 BELOW TO DETERMINE IF AND WHEN IT QUALIFIES FOR A SPEED LIMIT REDUCTION. DEPENDING ON THE ORIGINAL POSTED SPEED LIMIT, THE TYPE OF TEMPORARY TRAFFIC CONTROL USED, AND WHETHER OR NOT WORKERS ARE PRESENT, A WARRANTED WZSZ WILL VARY IN THE APPROVED SPEED LIMIT TO BE POSTED OVER TIME.

C&MS ITEM 614, PARAGRAPH 614.02(B), INDICATES THAT TWO DIRECTIONS OF A DIVIDED HIGHWAY ARE CONSIDERED SEPARATE HIGHWAY SECTIONS. THEREFORE, IF THE WORK ON A MULTI-LANE DIVIDED HIGHWAY IS LIMITED TO ONLY ONE DIRECTION, A SPEED LIMIT REDUCTION IN THE DIRECTION OF THE WORK DOES NOT AUTOMATICALLY CONSTITUTE A SPEED LIMIT REDUCTION IN THE OPPOSITE DIRECTION. EACH DIRECTION SHALL BE ANALYZED INDEPENDENTLY FROM EACH OTHER.

ALL WZSZS FLUCTUATE BETWEEN TWO APPROVED REDUCED SPEED LIMITS OR BETWEEN AN APPROVED REDUCED SPEED LIMIT AND THE ORIGINAL POSTED SPEED LIMIT. ONLY ONE OF TWO SIGNING STRATEGIES SHALL BE USED TO IMPLEMENT A WZSZ.

WZSZS USING DSL SIGN ASSEMBLIES SHALL BE IN ACCORDANCE WITH THIS NOTE, APPROVED LIST, SUPPLEMENTAL SPECIFICATIONS (SS) 808 AND 908, AND TRAFFIC SCD MT-104.10.

ONLY ONE WARRANTED SPEED LIMIT APPLIES AT ANY ONE TIME; SPEED LIMIT REDUCTIONS ARE NOT CUMULATIVE. WZSZS SHALL NOT BE USED FOR MOVING/MOBILE ACTIVITIES, AS DEFINED IN OMUTCD PART 6.

WHEN LOOKING UP THE WARRANTED WORK ZONE SPEED LIMITS, ALWAYS USE THE ORIGINAL, PRECONSTRUCTION, POSTED SPEED LIMIT. DO NOT USE A PRIOR OR CURRENT WORK ZONE SPEED LIMIT AS A LOOK UP VALUE IN THE TABLE. POSITIVE PROTECTION IS GENERALLY REGARDED AS PORTABLE BARRIER OR OTHER RIGID BARRIER IN USE ALONG THE WORK AREA WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WITHOUT POSITIVE PROTECTION IS GENERALLY REGARDED AS USING DRUMS, CONES, SHADOW VEHICLE, ETC., ALONG THE WORK AREA WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WORKERS ARE CONSIDERED AS BEING PRESENT WHEN ON-SITE,

WORKING WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WHEN THE WORK ZONE CONDITION REDUCING THE EXISTING FUNCTIONALITY OF THE TRAVEL LANES OR SHOULDERS IS REMOVED, THE SPEED LIMIT DISPLAYED SHALL RETURN TO THE ORIGINAL POSTED SPEED LIMIT.

TABLE 1: WARRANTED WORK ZONE SPEED LIMITS (MPH) FOR WORK ZONES ON HIGH-SPEED (55 MPH OR GREATER) MULTI-LANE HIGHWAYS

ORIGINAL POSTED	WITH POSITIVE PROTECTION		WITHOUT POSITIVE PROTECTION	
	WORKERS PRESENT	WORKERS NOT PRESENT	WORKERS PRESENT	WORKERS NOT PRESENT
70	60	65	55	65
65	55	60	50	60
60	55	60	50	60
55	50	55	45	55

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 808, DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY  
21 SIGN MNTH  
ASSUMING 3 DSL SIGN ASSEMBLY(IES) FOR  
7 MONTH(S)

**ITEM 614, WORK ZONE IMPACT ATTENUATOR FOR 24" WIDE HAZARDS (UNIDIRECTIONAL)**

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING A NON-GATING IMPACT ATTENUATOR. FURNISH AN IMPACT ATTENUATOR FROM THE OFFICE OF ROADWAY ENGINEERING'S APPROVED LIST FOR WORK ZONE IMPACT ATTENUATORS, FROM THE ROADWAY STANDARDS APPROVED PRODUCTS WEB PAGE.

INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE CONTRACTOR SHALL REPAIR OR REPLACE A DAMAGED UNIT WITHIN 24 HOURS OF A DAMAGING IMPACT.

WHEN BIDIRECTIONAL DESIGNS ARE SPECIFIED, THE CONTRACTOR SHALL SUPPLY APPROPRIATE TRANSITIONS.

WHEN GATING IMPACT ATTENUATORS ARE DESIRED, THE CONTRACTOR SHALL SUBMIT DOCUMENTATION TO THE ENGINEER FOR ACCEPTANCE.

THE COST FOR THE ADDITIONAL BARRIER REQUIRED FOR A GATING IMPACT ATTENUATOR SHALL BE INCLUDED IN THE COST OF THE GATING IMPACT ATTENUATOR.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT AND MAINTAIN A COMPLETE AND FUNCTIONAL IMPACT ATTENUATOR SYSTEM, INCLUDING ALL RELATED BACKUPS, TRANSITIONS, LEVELING PADS, HARDWARE AND GRADING, NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

**DELINEATION OF PORTABLE AND PERMANENT BARRIER**

BARRIER REFLECTORS AND OBJECT MARKERS SHALL BE INSTALLED ON ALL PORTABLE BARRIER (PB) USED FOR TRAFFIC CONTROL; AND, ON PERMANENT CONCRETE BARRIER (INCLUDING BRIDGE PARAPETS) LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE.

BARRIER REFLECTORS SHALL CONFORM TO C&MS 626, EXCEPT THAT THE SPACING SHALL BE AS PER TRAFFIC SCD MT-101.70. OBJECT MARKERS AND THEIR INSTALLATION SHALL CONFORM TO C&MS 614.03 AND SCD MT-101.70. WHEN THE PB CONTAINS GLARE SCREEN, ONE SET OF THREE VERTICAL STRIPES OF SHEETING SHALL BE CONSIDERED EQUIVALENT TO AN OBJECT MARKER, ONE-WAY.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE PLANS AND CARRIED TO THE GENERAL SUMMARY:

ITEM 614, BARRIER REFLECTOR, TYPE 1 ONE-WAY  
305 EACH

ITEM 614, OBJECT MARKER, ONE-WAY 305 EACH

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING EACH OF THE ABOVE ITEMS.

**WORK ZONE EGRESS WARNING SYSTEM**

THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN AN APPROVED WORK ZONE EGRESS WARNING SYSTEM (WZEWS) AS PER SUPPLEMENTAL SPECIFICATION 829.

THE PROBABLE INITIAL LOCATIONS OF THE WZEWS DEVICES ARE SHOWN ON MAINTENANCE OF TRAFFIC PLAN SHEETS. IT IS EXPECTED THAT THESE LOCATIONS WILL VARY BASED ON PLANNED OR UNPLANNED PHASE AND TRAFFIC PATTERN CHANGES. PLACEMENT, OPERATION, AND MAINTENANCE AND ALL ACTIVATION OF THE DEVICES BY THE CONTRACTOR SHALL BE DIRECTED BY THE ENGINEER.

WZEWS SHALL BE USED IN ACCORDANCE WITH MT-103.10. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 829, WORK ZONE EGRESS WARNING SYSTEM 21  
SIGN MONTHS, ASSUMING 3 WORK ZONE  
EGRESS WARNING SYSTEM(S) FOR 7 MONTH(S).

**WORK ZONE MARKINGS AND SIGNS**

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT LOCATIONS IDENTIFIED BY THE ENGINEER FOR WORK ZONE PAVEMENT MARKINGS AND SIGNS PER THE REQUIREMENTS OF C&MS 614.04 AND 614.11.

WORK ZONE LANE LINE, CLASS II, 6"	4.4 MILE
WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT	5.1 MILE
WORK ZONE DOTTED LINE, CLASS III, 6", 642 PAINT	1367 FT

**PATCHING RUMBLE STRIPS**

THE CONTRACTOR SHALL MILL THE EXISTING RUMBLE STRIPS A WIDTH OF 2 FEET AT 1 1/2 INCH DEPTH AND PAVE WITH 1 1/2 INCH ITEM 441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448). PAYMENT FOR ALL MATERIALS, LABOR AND EQUIPMENT SHALL BE INCLUDED FOR PAYMENT UNDER

ITEM 614 MAINTAINING TRAFFIC, MISC.: RUMBLE STRIP  
MILLED/FILLED 11,220 FT

DESIGN AGENCY



DESIGNER

GAT

REVIEWER

XXX MM-DD-YY

PROJECT ID

118051

SHEET TOTAL

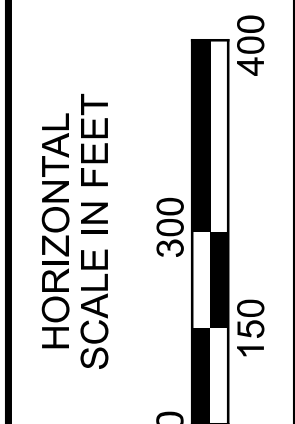
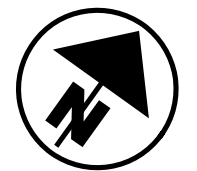
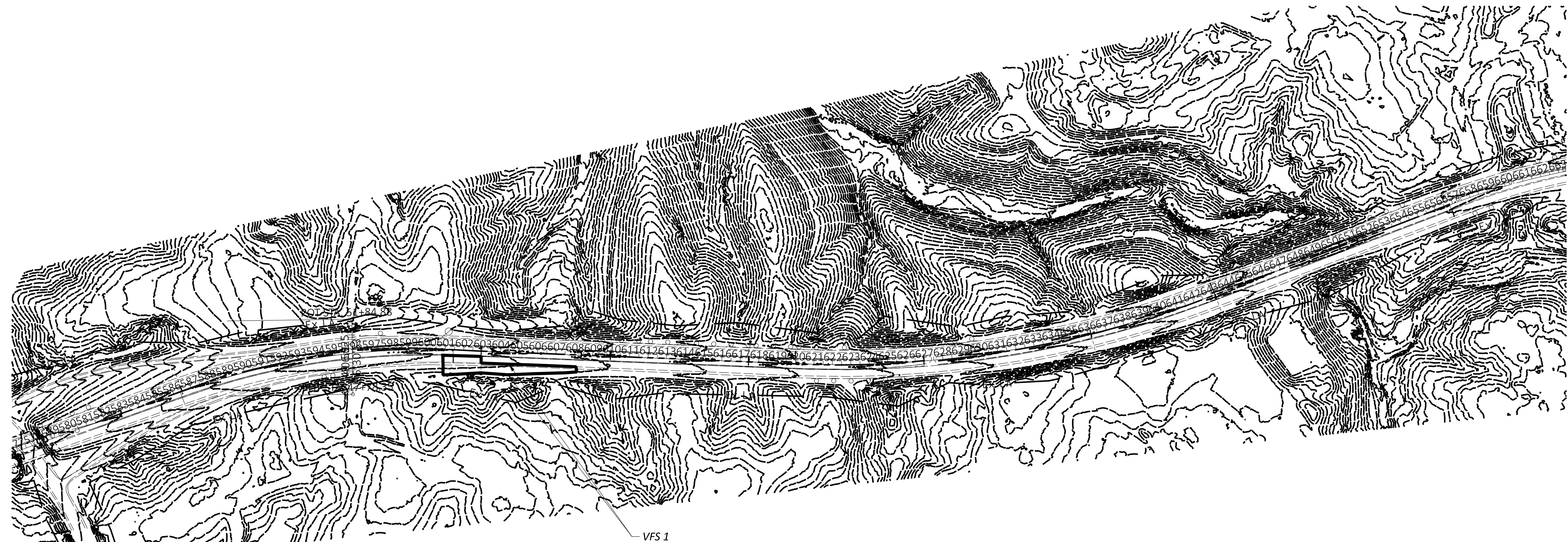
8 | 134











PROJECT SITE PLAN

BMP TYPE	LATITUDE/LONGITUDE		EDA TREATMENT CREDIT (ACRES)
	BEGIN	END	
VEGETATED FILTER STRIP 1	N 458615.2731, E 1367346.1400	N 459018.8527, E 1367945.3941	1.02
		TREATMENT PROVIDED	1.02
		TREATMENT REQUIRED*	1.00

\*CALCULATED PER L&D VOL.2, SEC. 1115.7

PROJECT DATA

TOTAL AREA (RIGHT OF WAY):	64.33 ACRES
PROJECT EARTH DISTURBED AREA:	8.90 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.30 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	9.20 ACRES
IMPERVIOUS (PAVED) AREA FOR PRE-CONSTRUCTION SITE:	17.79 ACRES
IMPERVIOUS (PAVED) AREA FOR POST-CONSTRUCTION SITE:	17.79 ACRES
RUNOFF COEFFICIENT FOR PRE-CONSTRUCTION SITE:	0.54
RUNOFF COEFFICIENT FOR POST-CONSTRUCTION SITE:	0.54
POST CONSTRUCTION BMP:	
VEGETATED FILTER STRIPS WERE PROVIDED TO MEET NPDES POST-CONSTRUCTION REQUIREMENTS	
IMMEDIATE RECEIVING WATERS:	UNNAMED TRIBUTARY
SUBSEQUENT RECEIVING WATERS:	TAYLOR CREEK

DESIGN AGENCY



DESIGNER

JY

REVIEWER

MLB 4-17-2024

PROJECT ID

118051

SHEET TOTAL

22 134


REF NO.	SHEET NO.	STATION TO STATION					203	606	SPECIAL	SPECIAL	SPECIAL	606	606	618	630	807	807	807	850	850	202	202	625	809	809	625	625
							EXCAVATION, AS PER PLAN	THRE BEAM GUARDRAIL	CABLE BARRIER, ANCHOR ASSEMBLY	CABLE BARRIER	4" CONCRETE MOW STRIP	ANCHOR ASSEMBLY, MGS TYPE B	ANCHOR ASSEMBLY, MGS TYPE T	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	REMOVAL OF GROUND MOUNTED SIGN AND REECTION	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, EDGE LINE, 6"	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, LANE LINE, 6"	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, DOTTED LINE, 6"	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	PIPE REMOVED, 24" AND UNDER	PIPE REMOVED, 24" AND UNDER	TRENCH, 30" DEEP	32" ITS PULL BOX WITH PAD AND STANDARD LID ASSEMBLY	MICRO-DUCT PATHWAY, 4 CELL 1/40	PULL BOX REMOVED	CONDUIT, JACKED OR DRILLED
						CY	FT	EACH	FT	SY	EACH	EACH	MILE	EACH	MILE	MILE	FT	MILE	FT	FT	EACH	FT	EACH	FT	EACH	FT	
CB-1	25 - 27	581+16	RT	TO	595+50	RT	74		2	1430	673																
CB-2	28 - 31	595+74	RT	TO	611+31	RT	76		2	1500	687																
CB-3	30 - 34	610+30	RT	TO	627+22	RT	82		2	1682	754																
CB-4	34 - 36	627+70	LT	TO	641+04	LT	65		2	1321	587																
CB-5	36 - 40	639+96	LT	TO	658+26	LT	89		2	1825	813																
GR-1	27	595+11	RT	TO	596+24	RT		125				1	1														
GR-2	27 - 28	595+64	LT	TO	596+74	LT		111				1	1														
	25	584+83	RT/LT										1														
	29	604+37	RT/LT										1														
	31	613+87	RT/LT										1														
	33	623+91	RT/LT										1														
	35	631+82	RT/LT										1														
	35	632+35	RT/LT										1														
	37	645+00	RT/LT										1														
	40	656+12	RT/LT										1														
	41	665+61	RT/LT										1														
		573+28	LT	TO	687+91	LT							2.2														
		567+30	LT	TO	690+95	LT									5.1	4.4	1367	9.4	1367								
FO-1	29 - 33	602+65	LT	TO	622+84	LT																1240	2000				
FO-2	33 - 37	622+84	LT	TO	643+07	LT																1244	2000				
FO-3	37 - 41	643+07	LT	TO	661+40	LT																683	1855				
FO-4	41	661+40																					92		92		
R-1	26	586+46.40	RT/LT																		30	2					
R-2	29	602+64	RT/LT																						1		
R-3	29	602+94.94	RT/LT																		27	2					
R-4	30	609+95.94	RT/LT																		30	2					
R-5	32	616+45	RT/LT																						1		
R-6	32	617+45.17	RT/LT																		30	2					
R-7	34	626+96.52	RT/LT																		30	2					
R-8	35	631+38	RT/LT																							1	
R-9	36	636+15.23	RT/LT																		29	2					
R-10	37	643+20.42	RT/LT																		34	2					
R-11	38	650+45.20	RT/LT																		34	2					
R-12	39	651+45.31	RT/LT																		30	2					
PB-1	33	622+84	LT																				1				
PB-2	37	643+07	LT																				1				
PB-3	41	661+40	LT																				1				
TOTALS CARRIED TO GENERAL SUMMARY							386	236	10	7758	3514	2	2	3	9.0	6	4.4	1367.0	9	1367.0	274	18	3167	3	5947	3	92

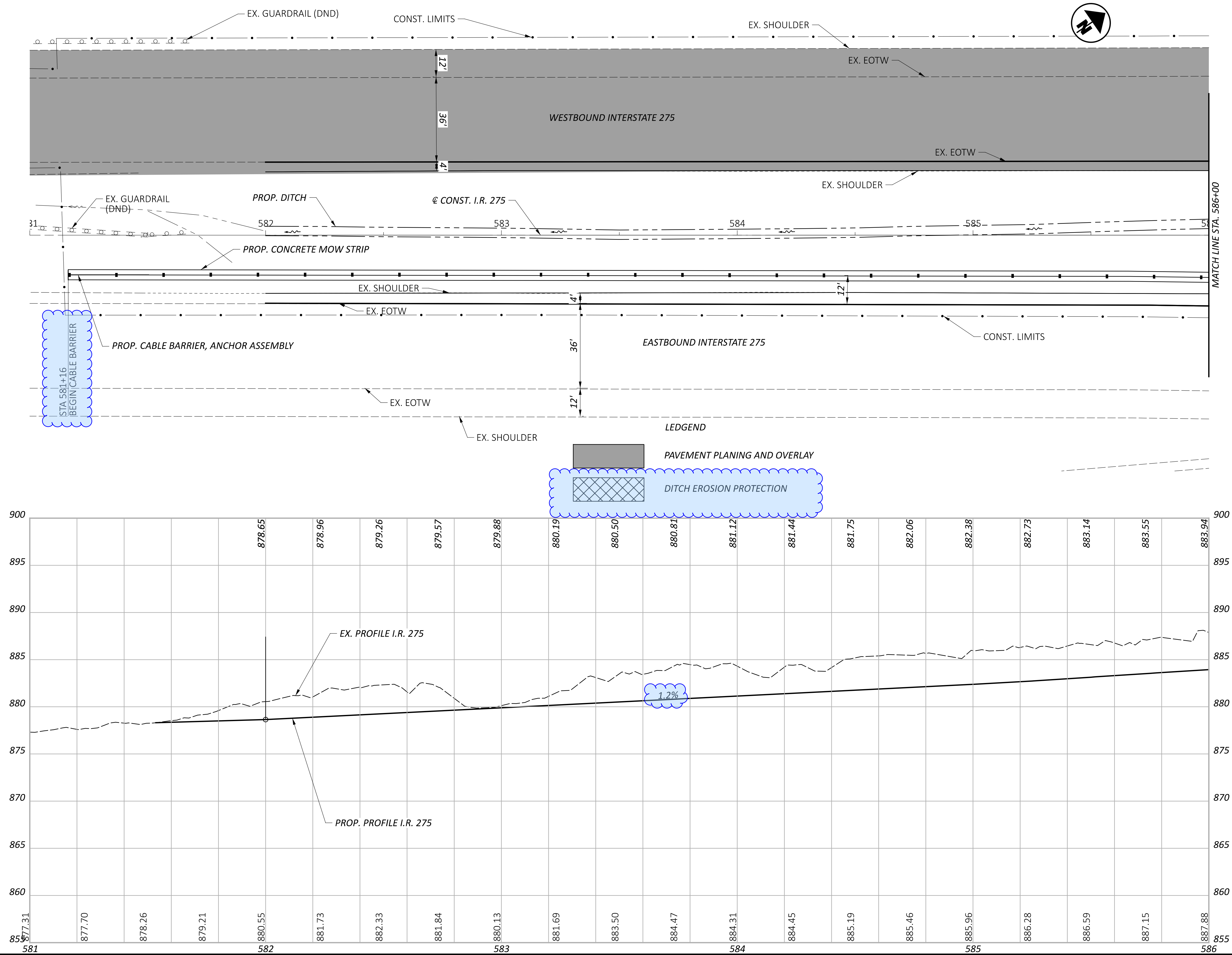
**ROADWAY & TRAFFIC CONTROL & ITS SUBSUMMARY**

DESIGN AGENCY	
DESIGNER	
REVIEWER	XXX MM-DD-YY
PROJECT ID	118051
SHEET TOTAL	23   134

REF NO.	SHEET NO.	STATION TO STATION		670				605		611		611	611	611		611	611
				DITCH EROSION PROTECTION				6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS		15" CONDUIT, TYPE B	18" CONDUIT, TYPE B	21" CONDUIT, TYPE B		CATCH BASIN, NO. 4	MANHOLE, NO. 3		
				SY				FT		FT		FT	FT	FT		EACH	EACH
D-1	26	586+47	LT	125								17				1	
D-2	29	602+98	LTRT	125								20				1	
D-3	30	609+97	LTRT	125								19				1	
D-4	32	617+47	LTRT	125								20				1	
D-5	34	626+98	LTRT	125								17				1	
D-6	36	636+19	LTRT	125									31			1	1
D-7	37	643+20	LTRT	125									17	20		1	
D-8	38	650+47	LTRT	125								20				1	
D-9	39	651+48	LTRT	125								20				1	
U-1	26	586+47	LT					10		10							
U-2	29	602+98	LT					10		10							
U-3	30	609+97	LT					11		10							
U-4	30	609+97	RT					7		10							
U-5	30	609+97	LT					11		10							
U-6	32	617+44	LT					12		10							
U-7	32	617+45	RT					6		10							
U-8	32	617+47	LT					5		10							
U-9	34	626+98	RT					5		10							
U-10	36	636+19	RT					8		10							
U-11	37	643+20	RT					9		10							
U-12	38	650+47	LT					10		10							
U-13	38	650+47	RT					4		10							
U-14	38	650+47	LT					9		10							
U-15	39	651+48	LT					10		10							
<b>TOTALS CARRIED TO GENERAL SUMMARY</b>				1125				127		150		133	48	20		9	1

DRAINAGE SUBSUMMARY

DESIGN AGENCY  
  
 DESIGNER  
 TCS  
 REVIEWER  
 GAT 06/22/24  
 PROJECT ID  
 118051  
 SHEET TOTAL  
 24 134



**PLAN AND PROFILE**  
**STA. 581+00 TO STA. 586+00**

DESIGN AGENCY

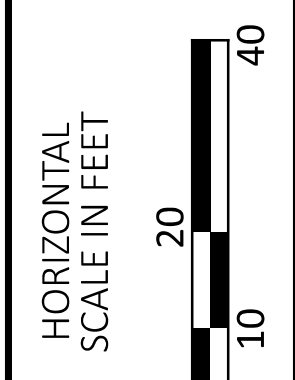
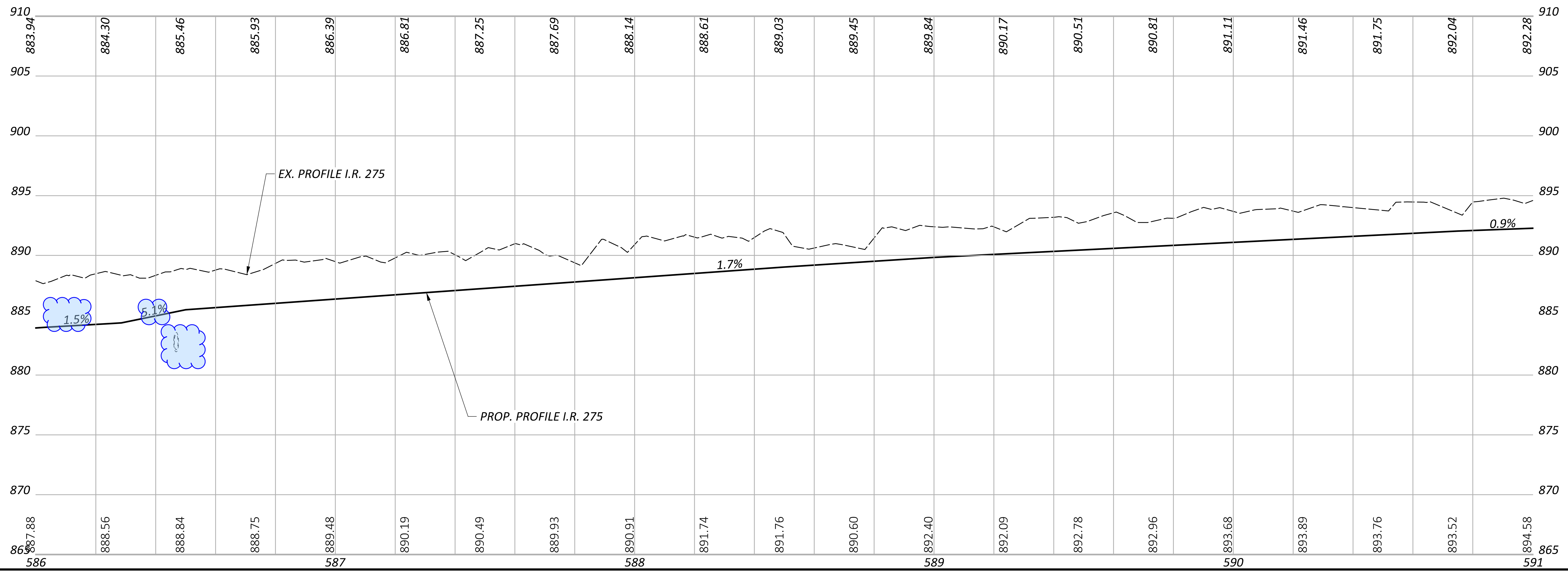
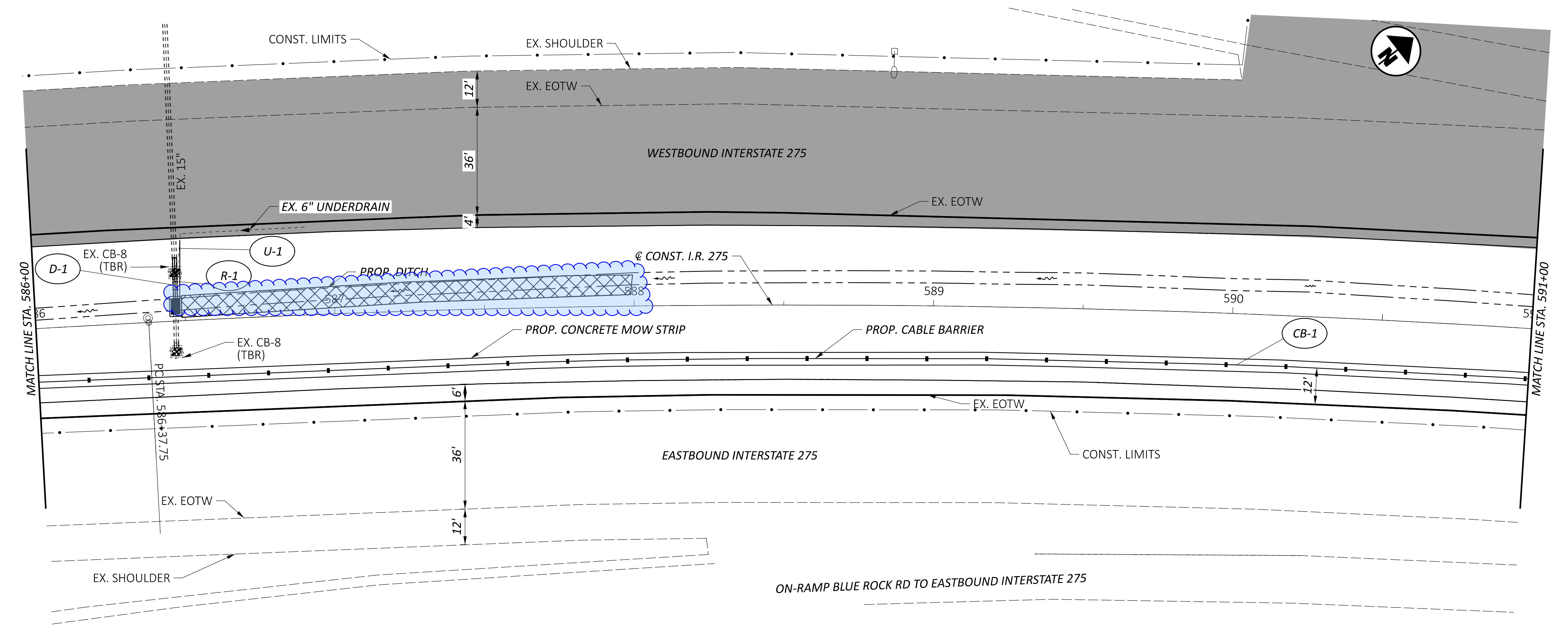


DESIGNER  
**TCS**

REVIEWER  
 XXX MM-DD-YY

PROJECT ID  
**118051**

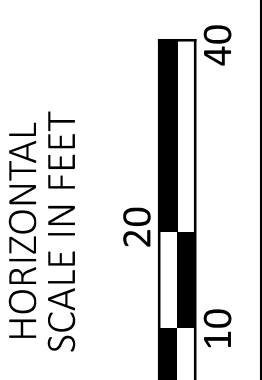
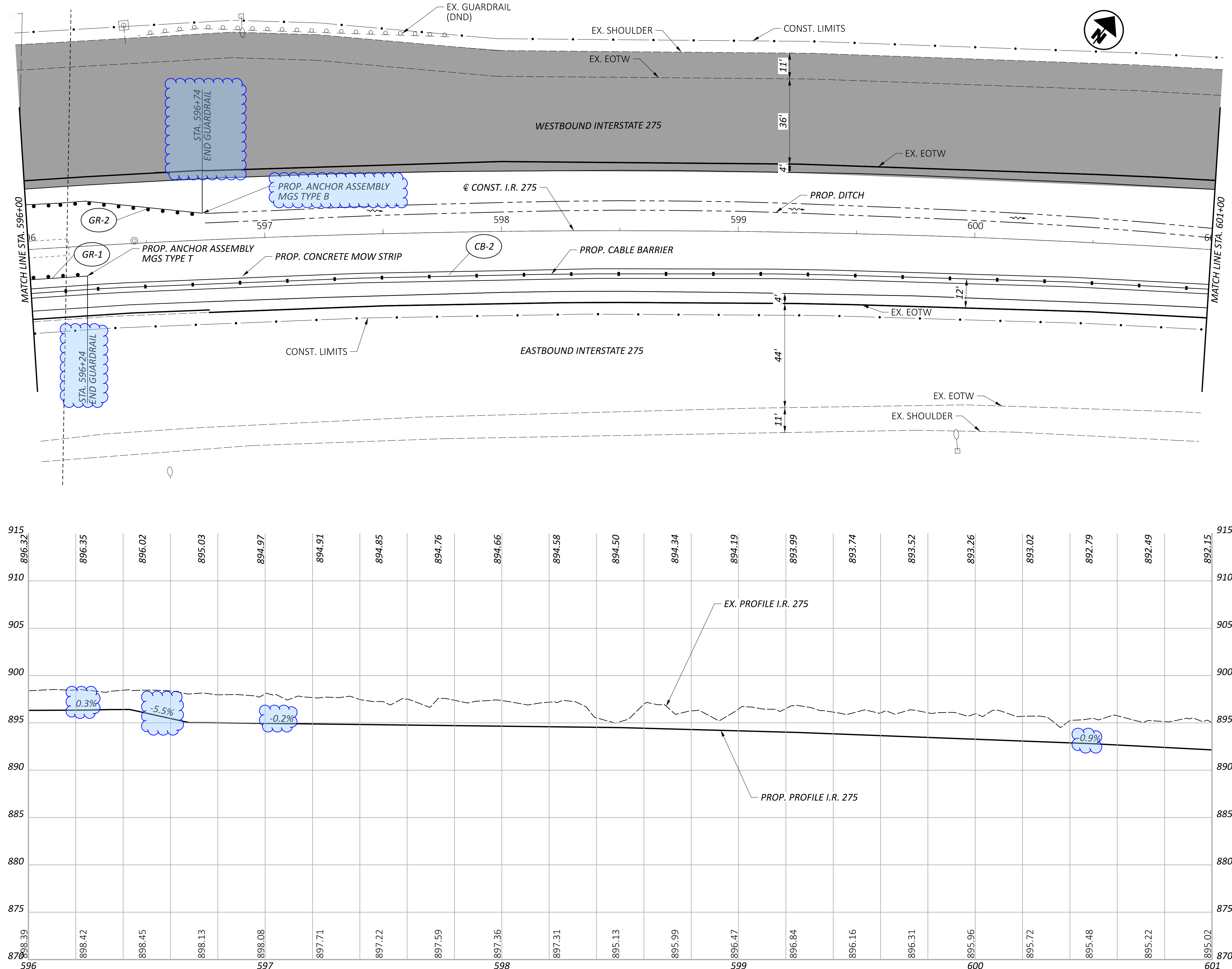
SHEET TOTAL  
 25 | 134




PLAN AND PROFILE  
 STA. 586+00 TO STA. 591+00

DESIGN AGENCY	TCS
DESIGNER	TCS
REVIEWER	XXX MM-DD-YY
PROJECT ID	118051
SHEET	TOTAL
26	134

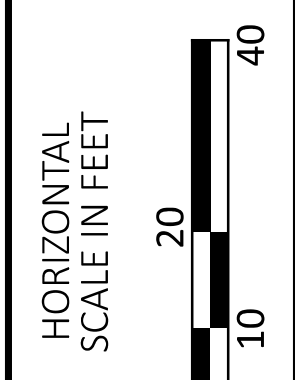
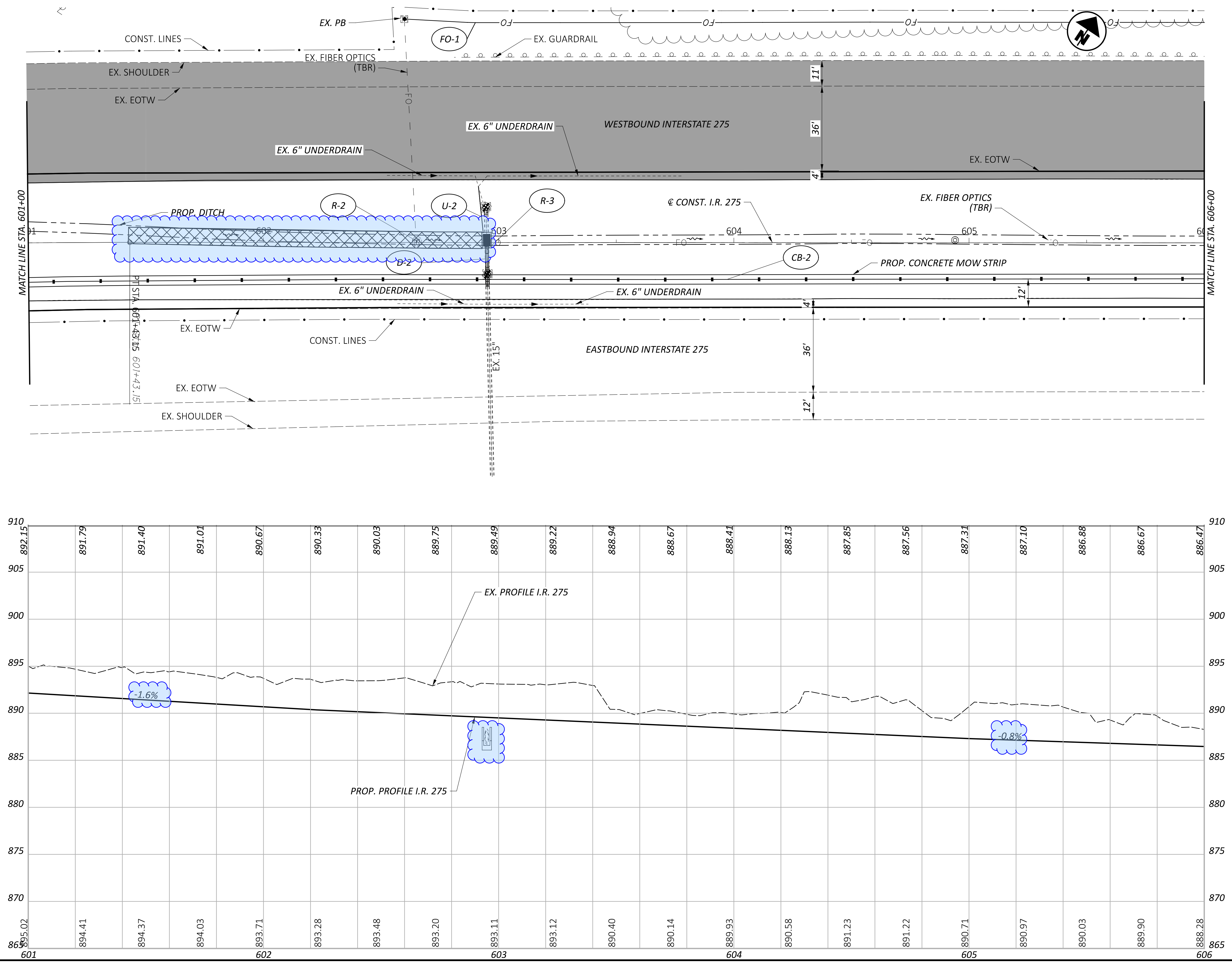




PLAN AND PROFILE  
 STA. 596+00 TO STA. 601+00

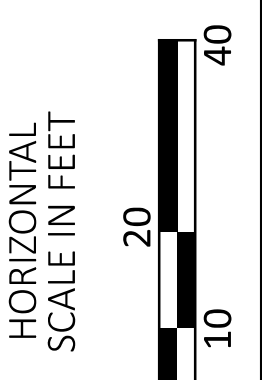
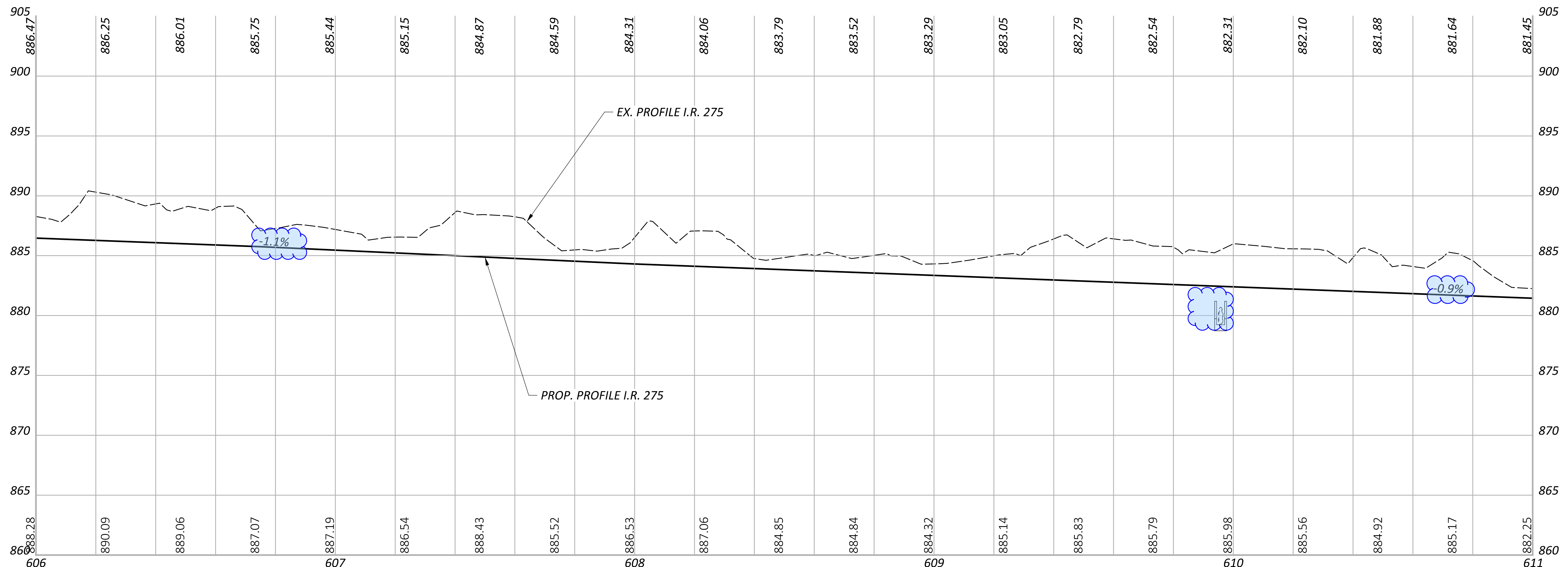
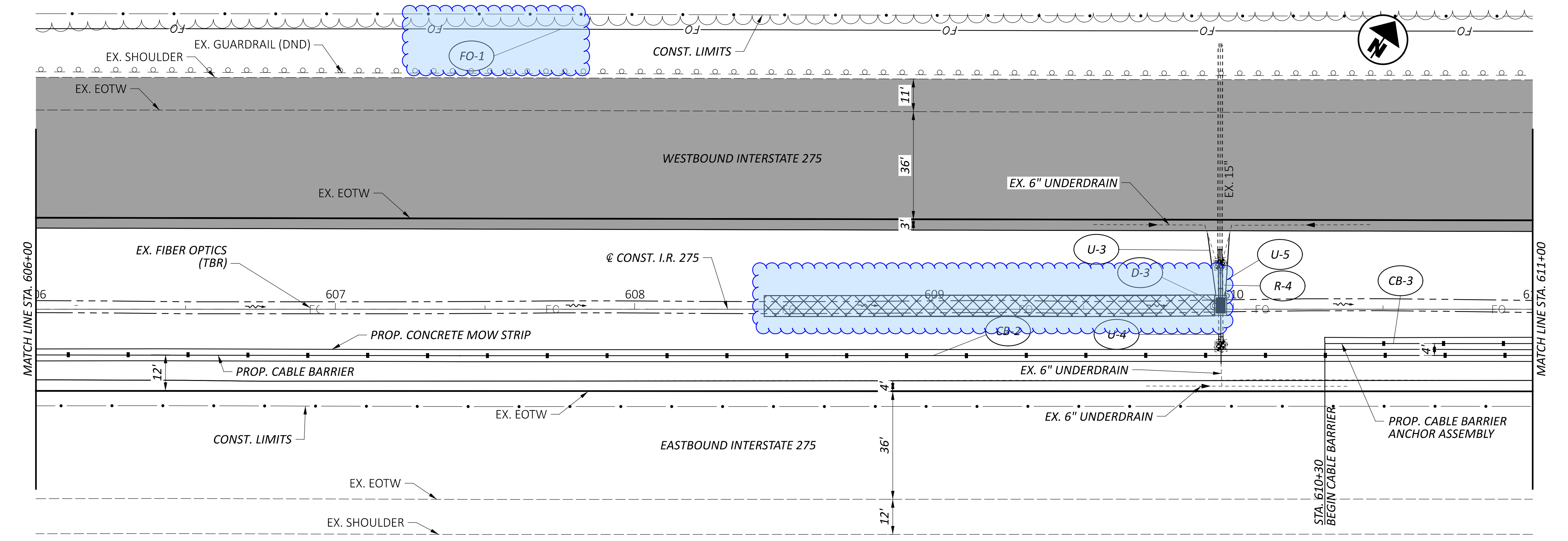
DESIGN AGENCY  
  
 TCS  
 DESIGNER  
 TCS  
 REVIEWER  
 XXX MM-DD-YY  
 PROJECT ID  
 118051  
 SHEET TOTAL  
 28 134





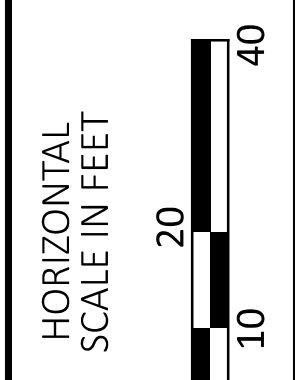
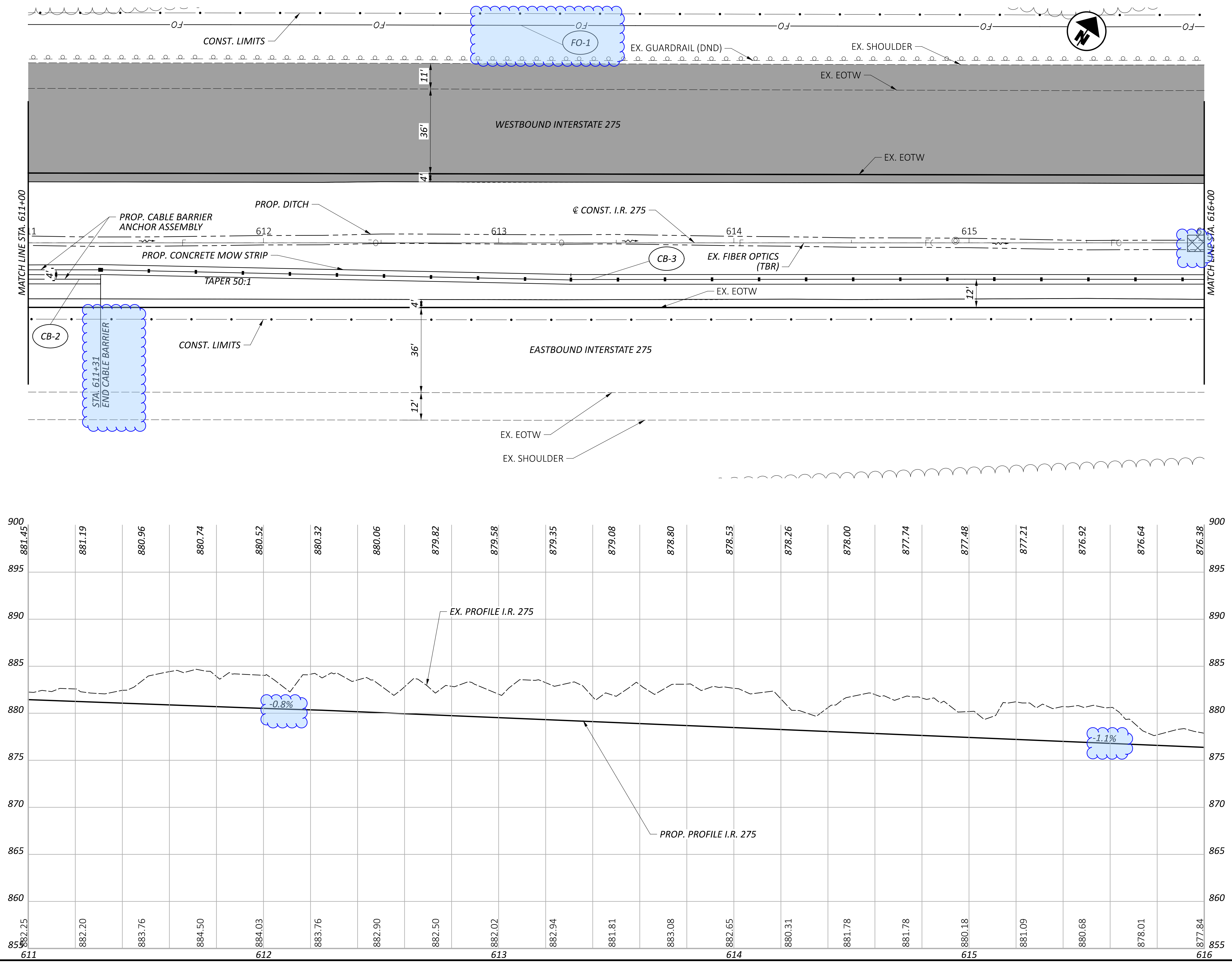
PLAN AND PROFILE  
 STA. 601+00 TO STA. 606+00

DESIGN AGENCY	
DESIGNER	TCS
REVIEWER	XXX MM-DD-YY
PROJECT ID	118051
SHEET	TOTAL
29	134



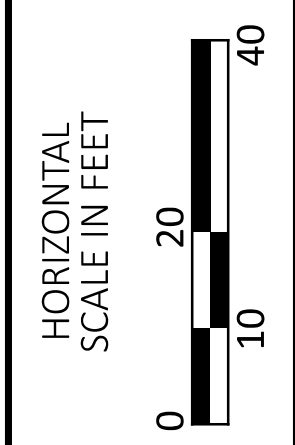
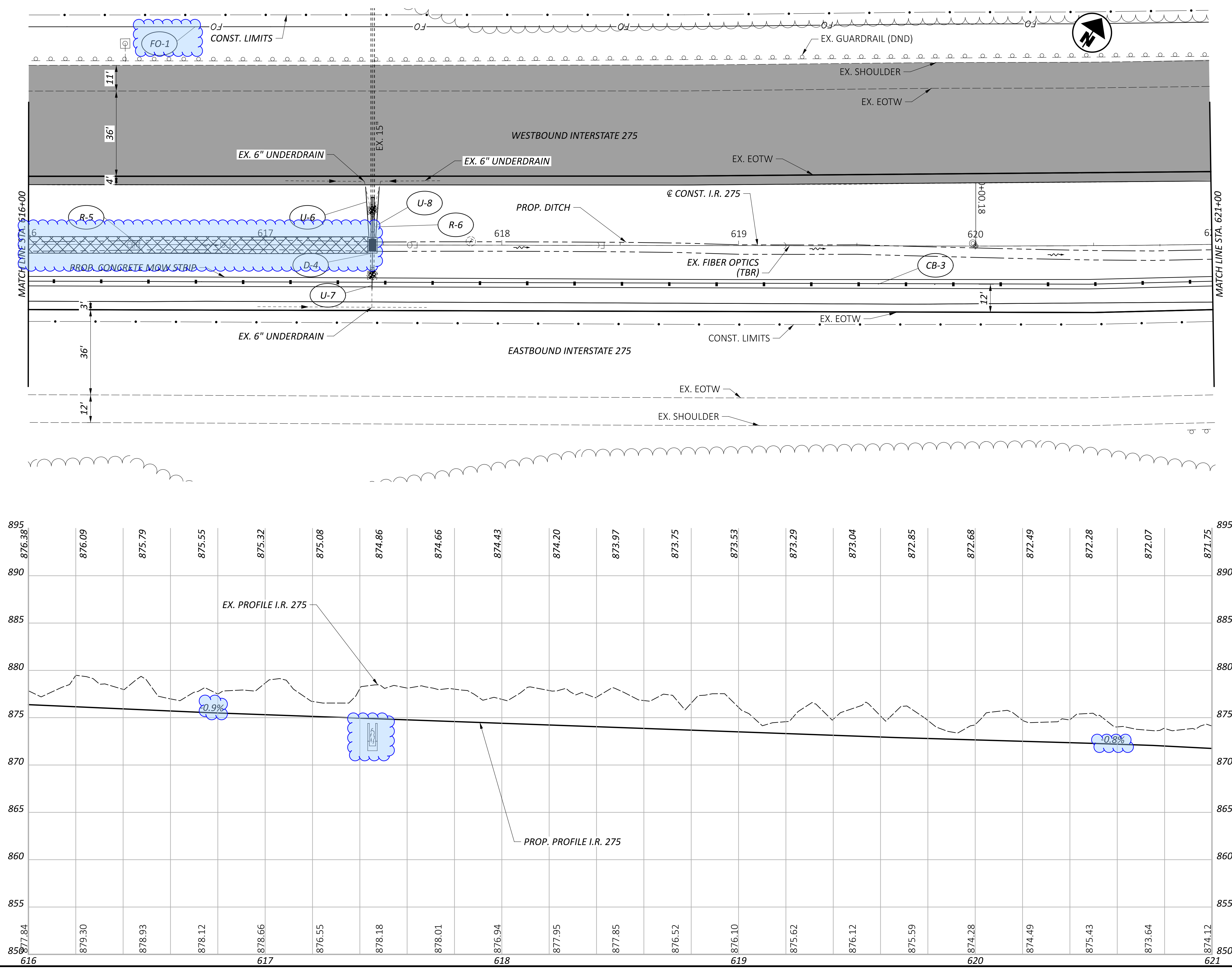
PLAN AND PROFILE  
 STA. 606+00 TO STA. 611+00

DESIGN AGENCY	
DESIGNER	TCS
REVIEWER	XXX MM-DD-YY
PROJECT ID	118051
SHEET	TOTAL
30	134



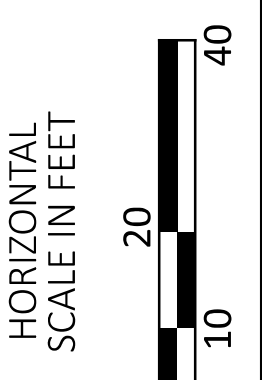
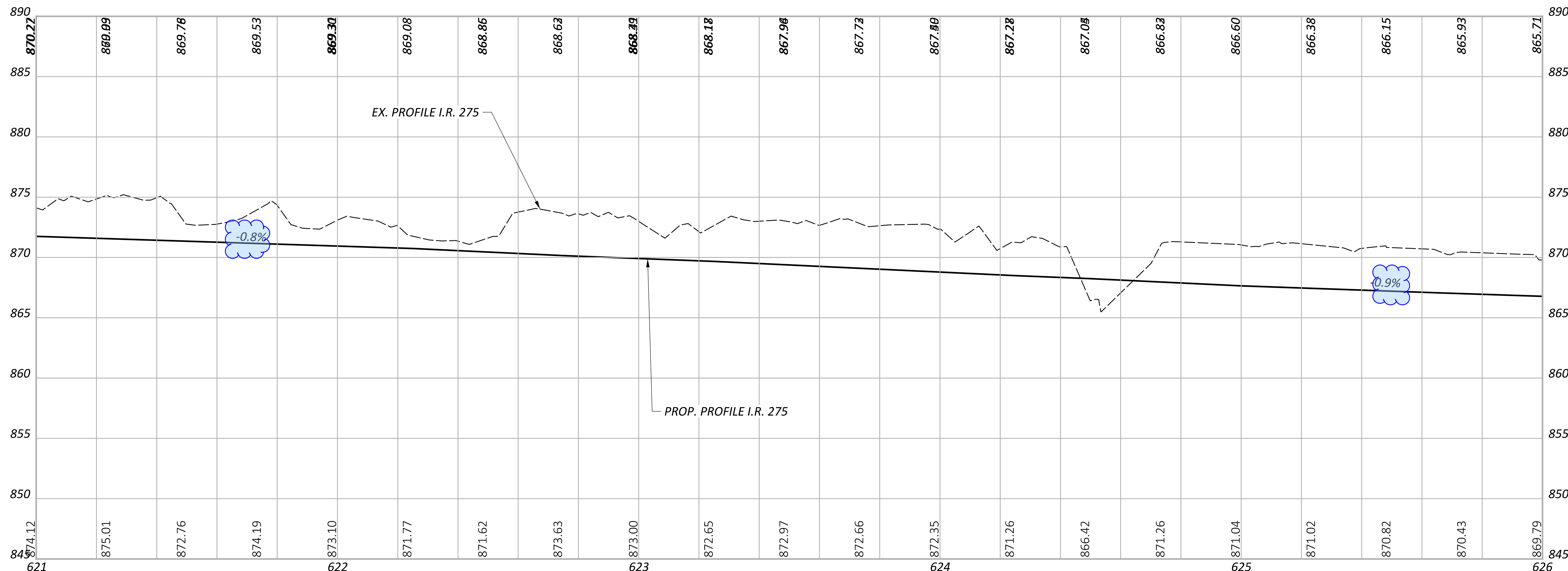
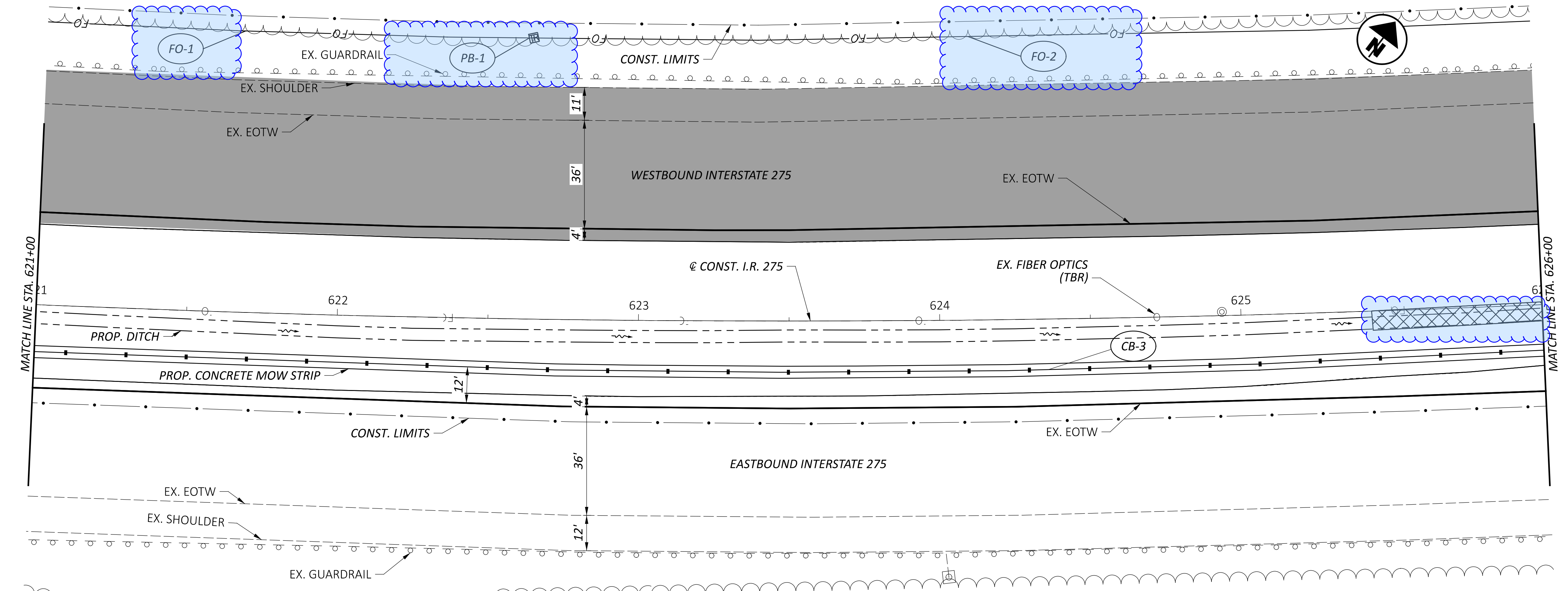
PLAN AND PROFILE  
 STA. 611+00 TO STA. 616+00

DESIGN AGENCY	
DESIGNER	TCS
REVIEWER	XXX MM-DD-YY
PROJECT ID	118051
SHEET	TOTAL
31	134




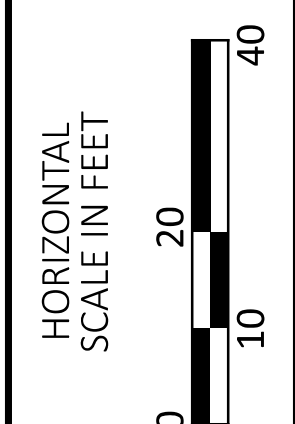
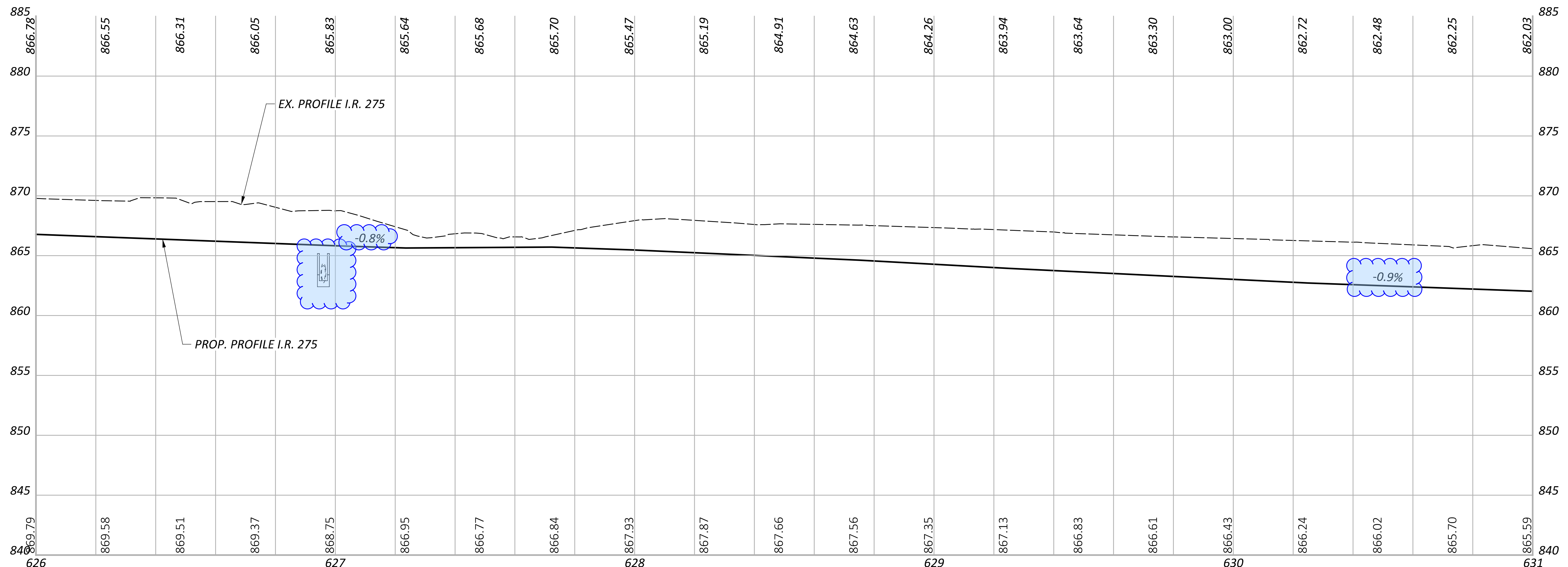
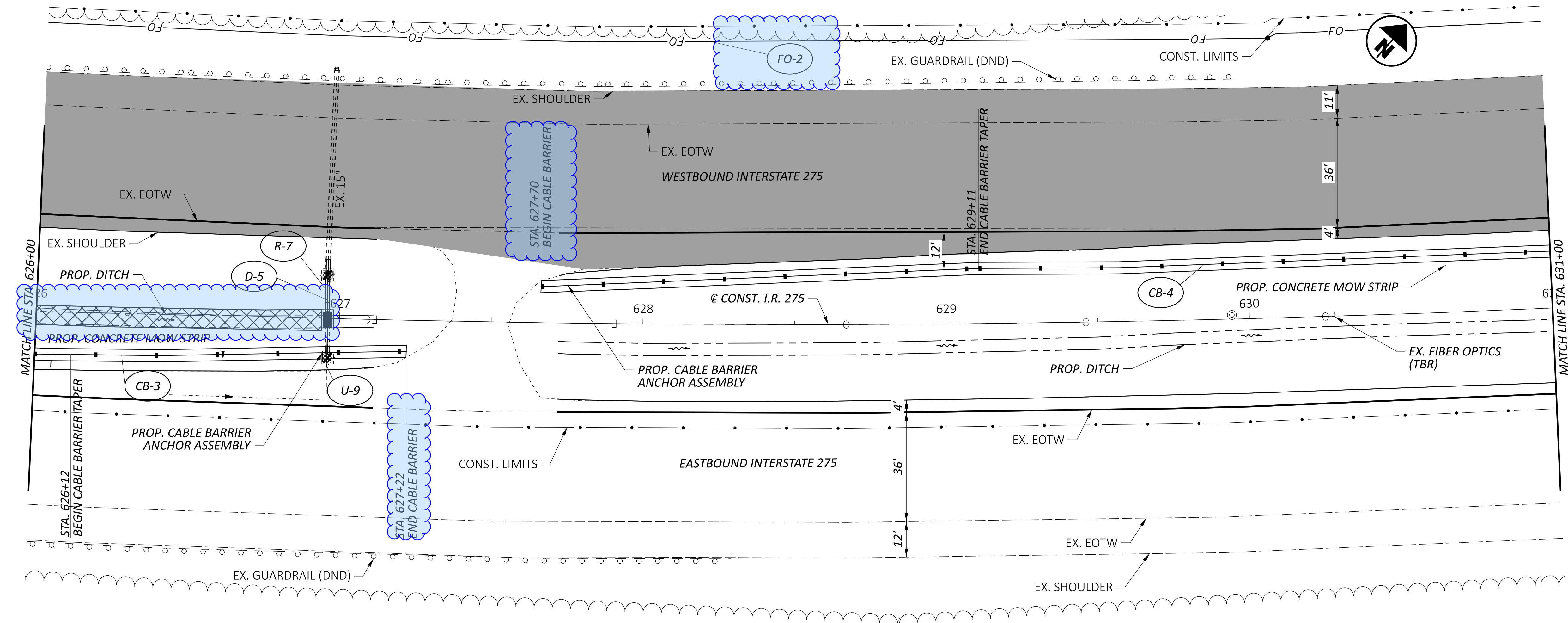
PLAN AND PROFILE  
 STA. 616+00 TO STA. 621+00

DESIGN AGENCY	
DESIGNER	TCS
REVIEWER	XXX MM-DD-YY
PROJECT ID	118051
SHEET	TOTAL
32	134



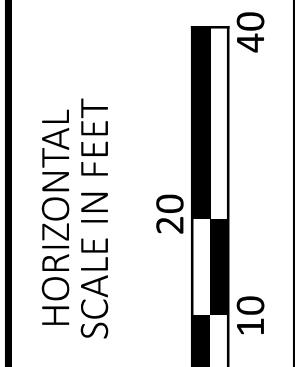
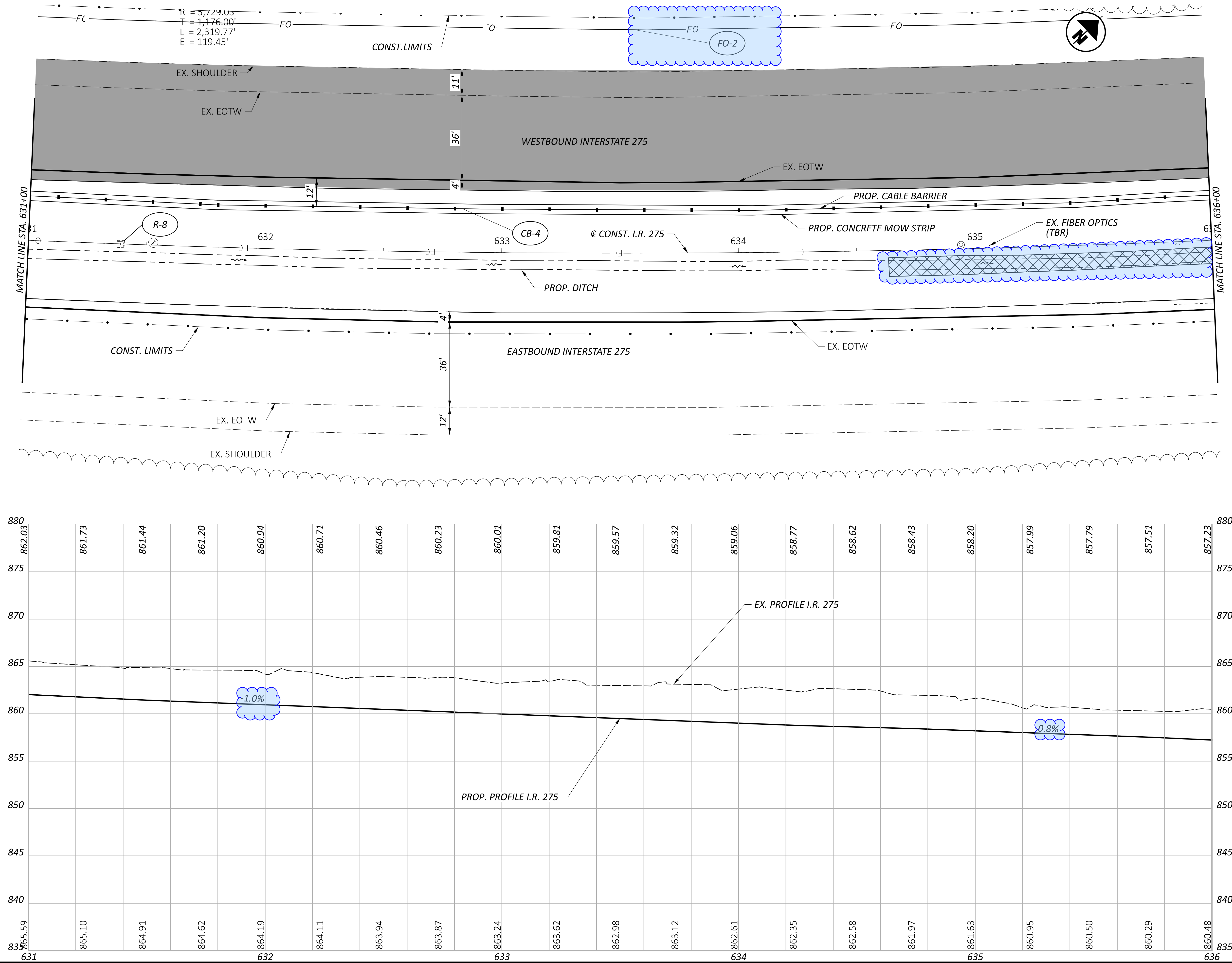
PLAN AND PROFILE  
 STA. 621+00 TO STA. 626+00

DESIGN AGENCY  
  
 DESIGNER  
 TCS  
 REVIEWER  
 XXX MM-DD-YY  
 PROJECT ID  
 118051  
 SHEET TOTAL  
 33 134



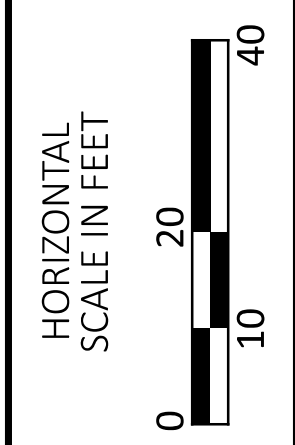
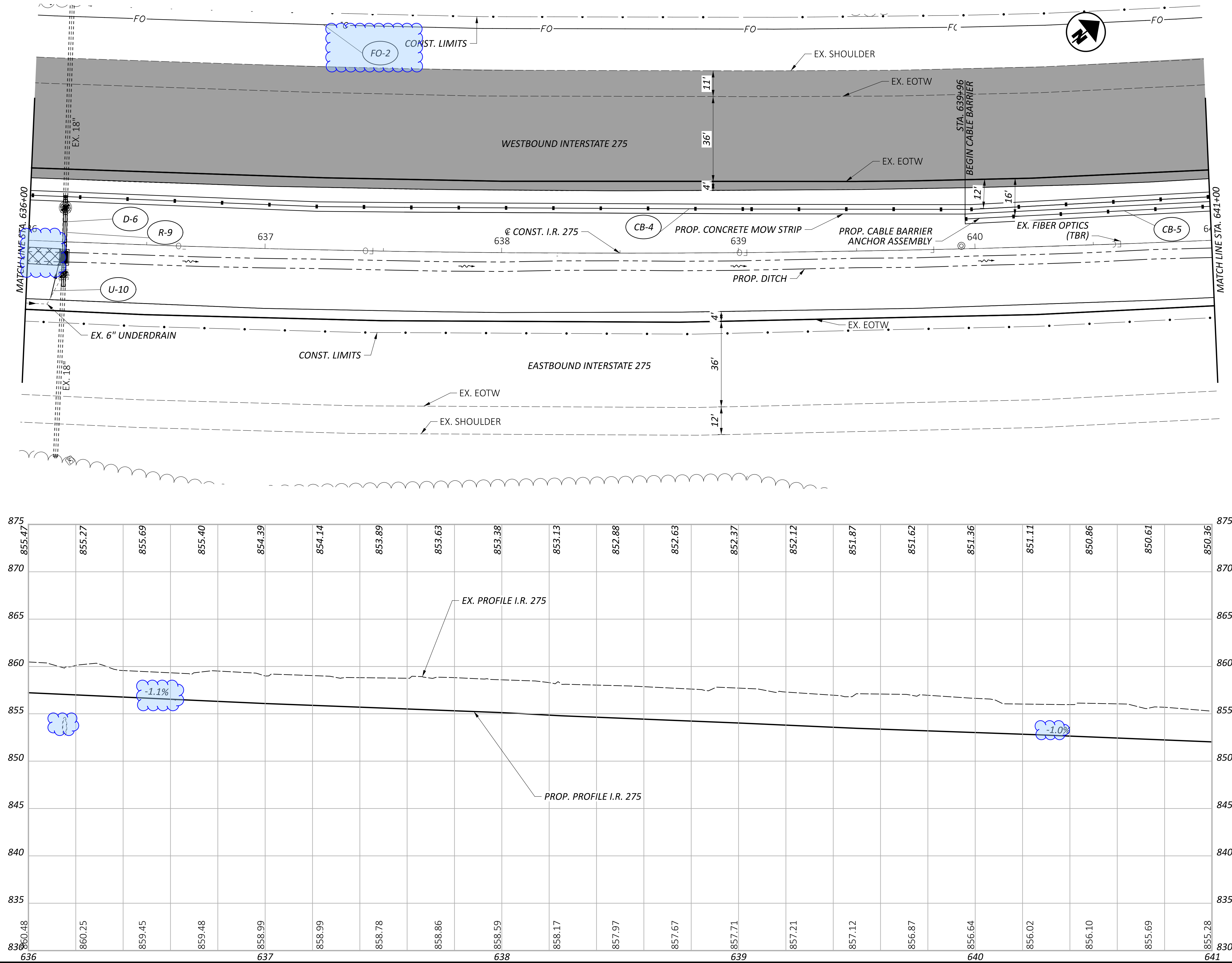
PLAN AND PROFILE  
 STA. 626+00 TO STA. 631+00

DESIGN AGENCY	
DESIGNER	TCS
REVIEWER	XXX MM-DD-YY
PROJECT ID	118051
SHEET	TOTAL
34	134




PLAN AND PROFILE  
 STA. 631+00 TO STA. 636+00

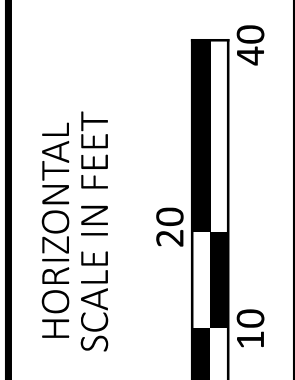
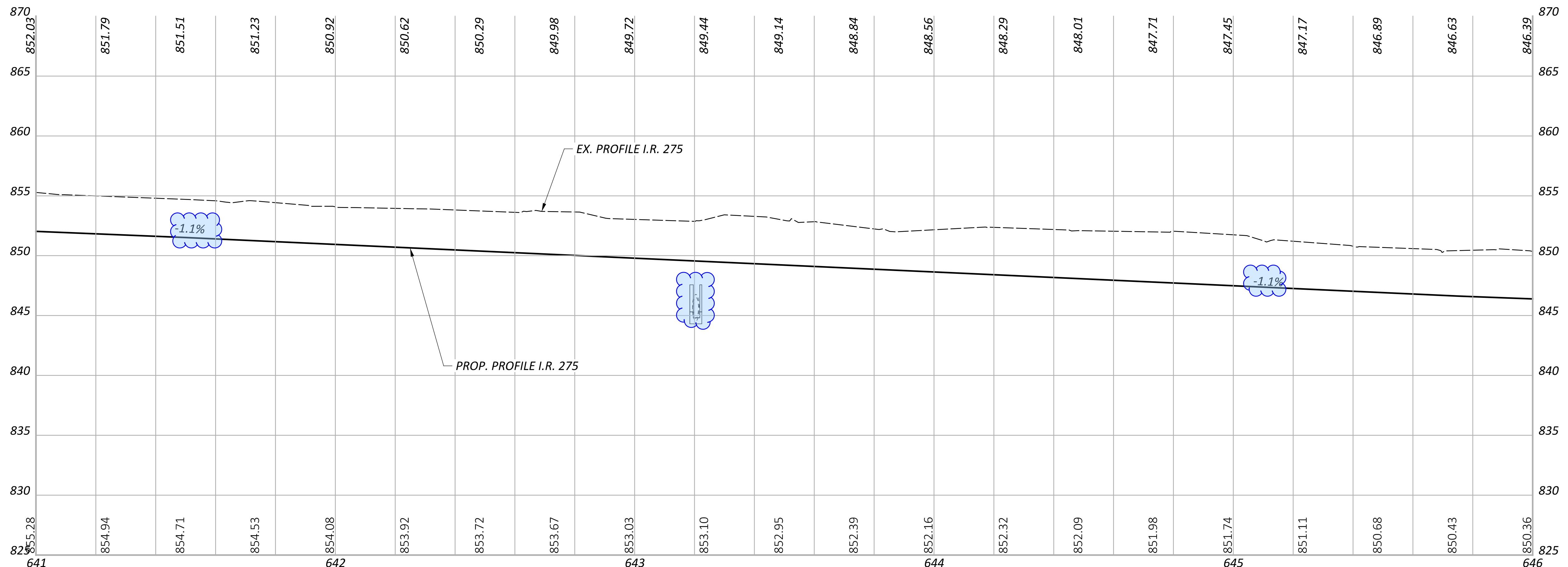
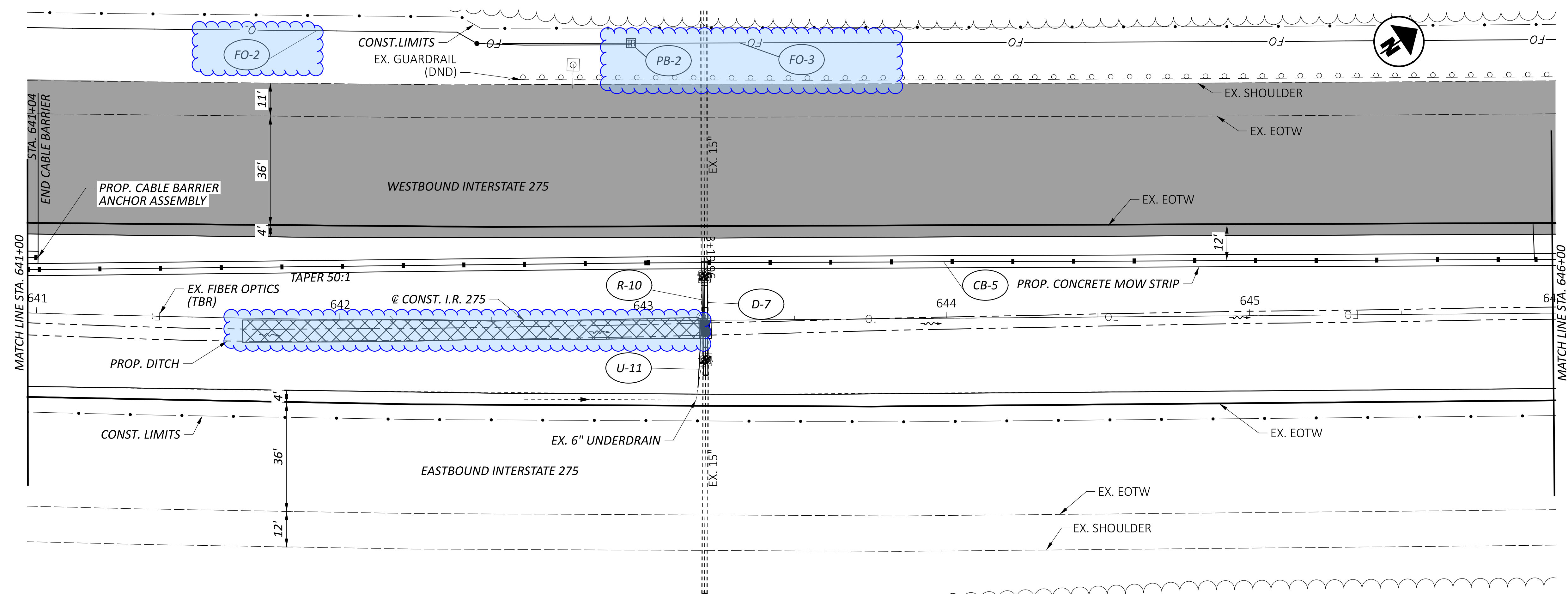
DESIGN AGENCY	
DESIGNER	TCS
REVIEWER	XXX MM-DD-YY
PROJECT ID	118051
SHEET	TOTAL
35	134




PLAN AND PROFILE  
 STA. 636+00 TO STA. 641+00

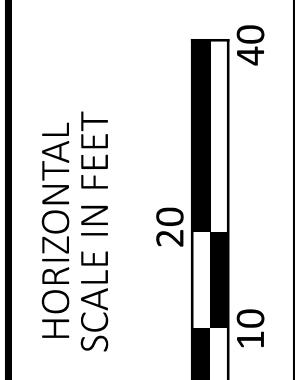
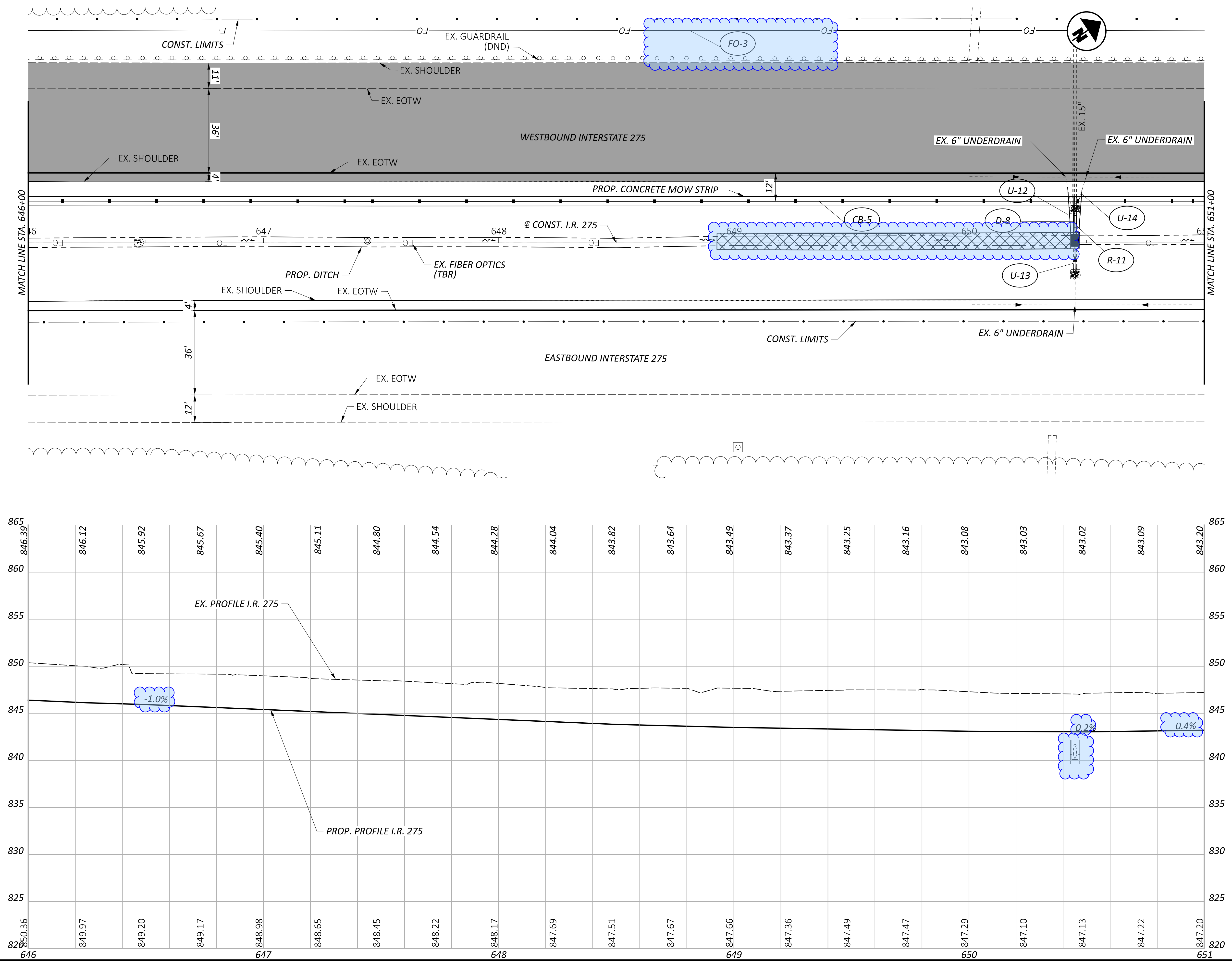
DESIGN AGENCY  
  
 DESIGNER  
 TCS  
 REVIEWER  
 XXX MM-DD-YY  
 PROJECT ID  
 118051  
 SHEET TOTAL  
 36 134





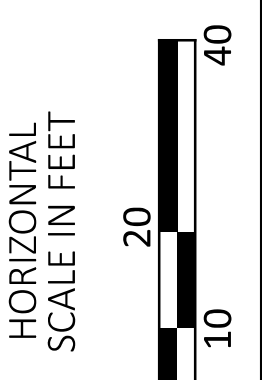
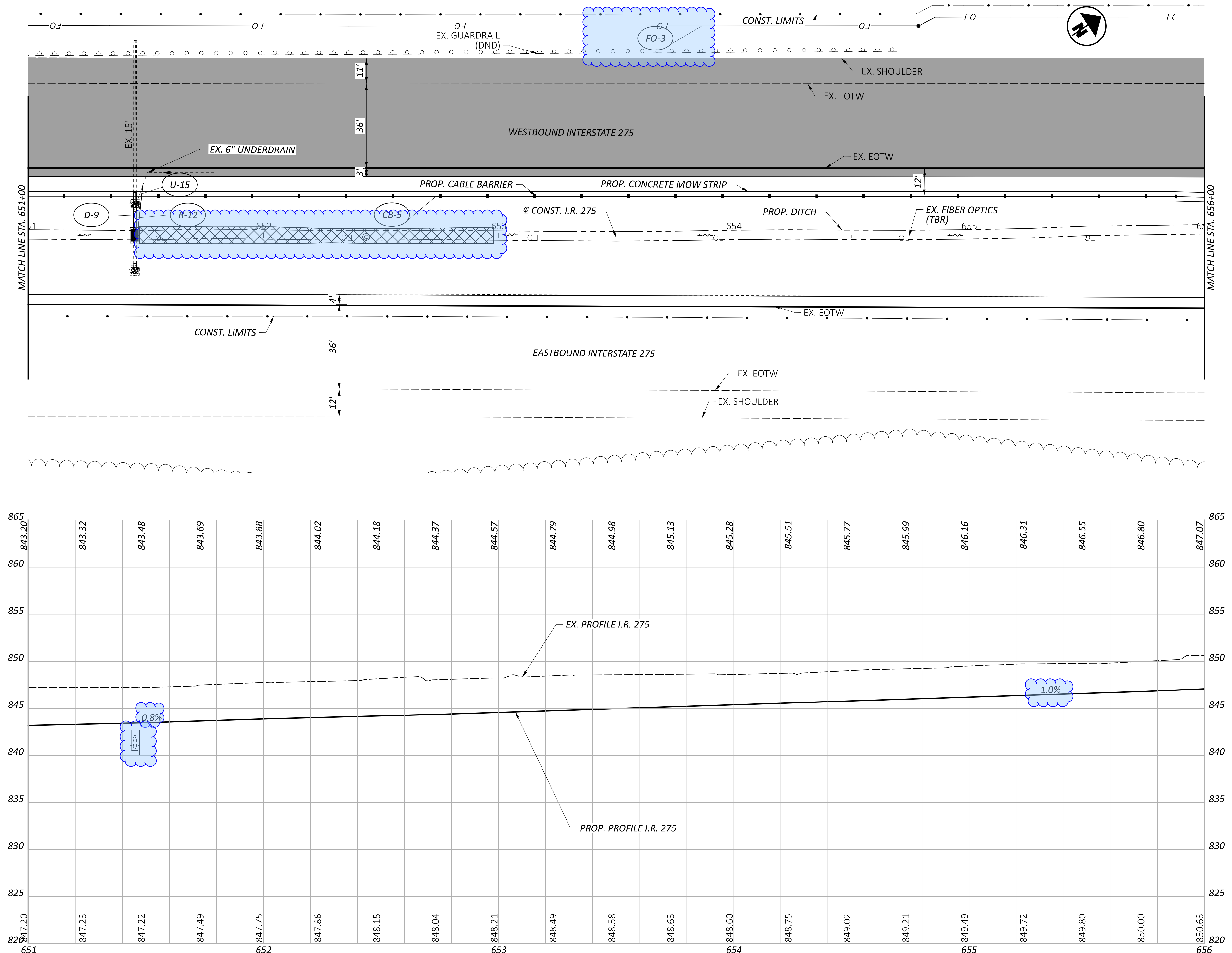
PLAN AND PROFILE  
 STA. 641+00 TO STA. 646+00

DESIGN AGENCY  
  
 TCS  
 DESIGNER  
 TCS  
 REVIEWER  
 XXX MM-DD-YY  
 PROJECT ID  
 118051  
 SHEET TOTAL  
 37 134



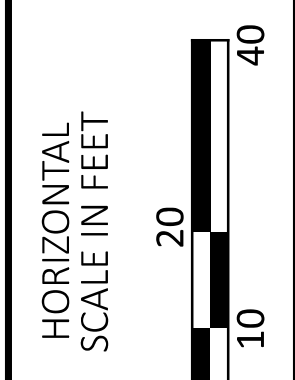
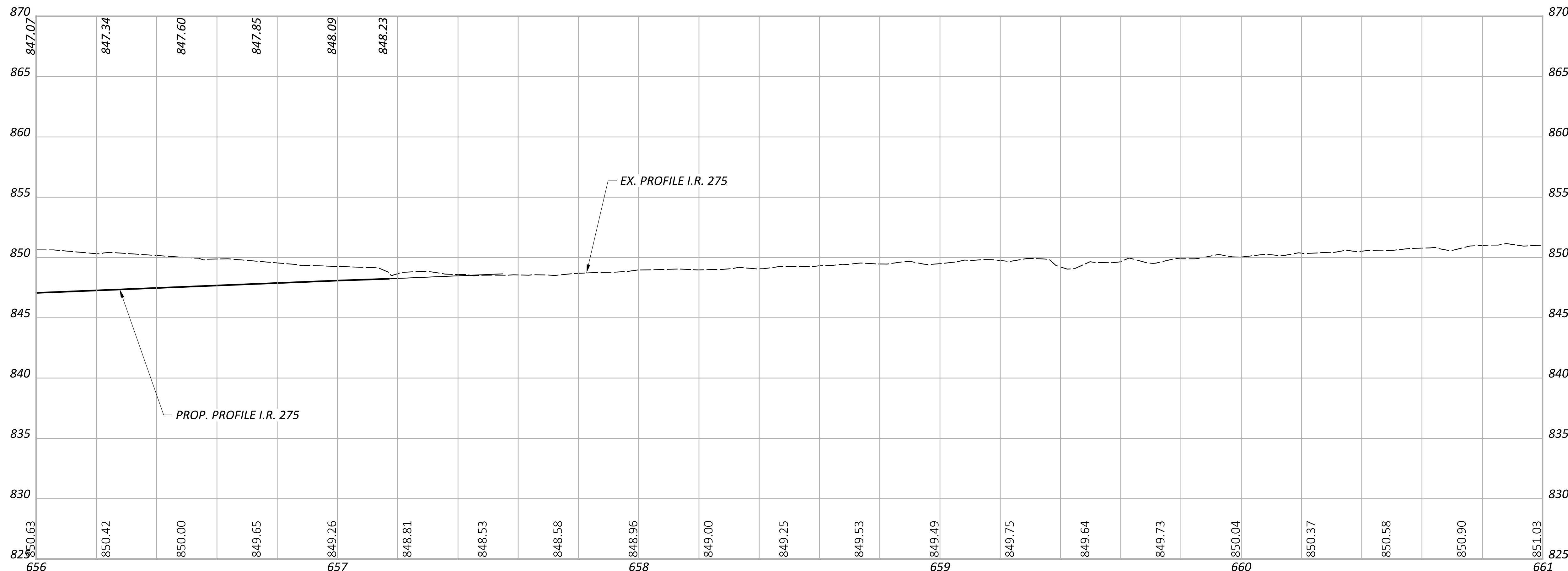
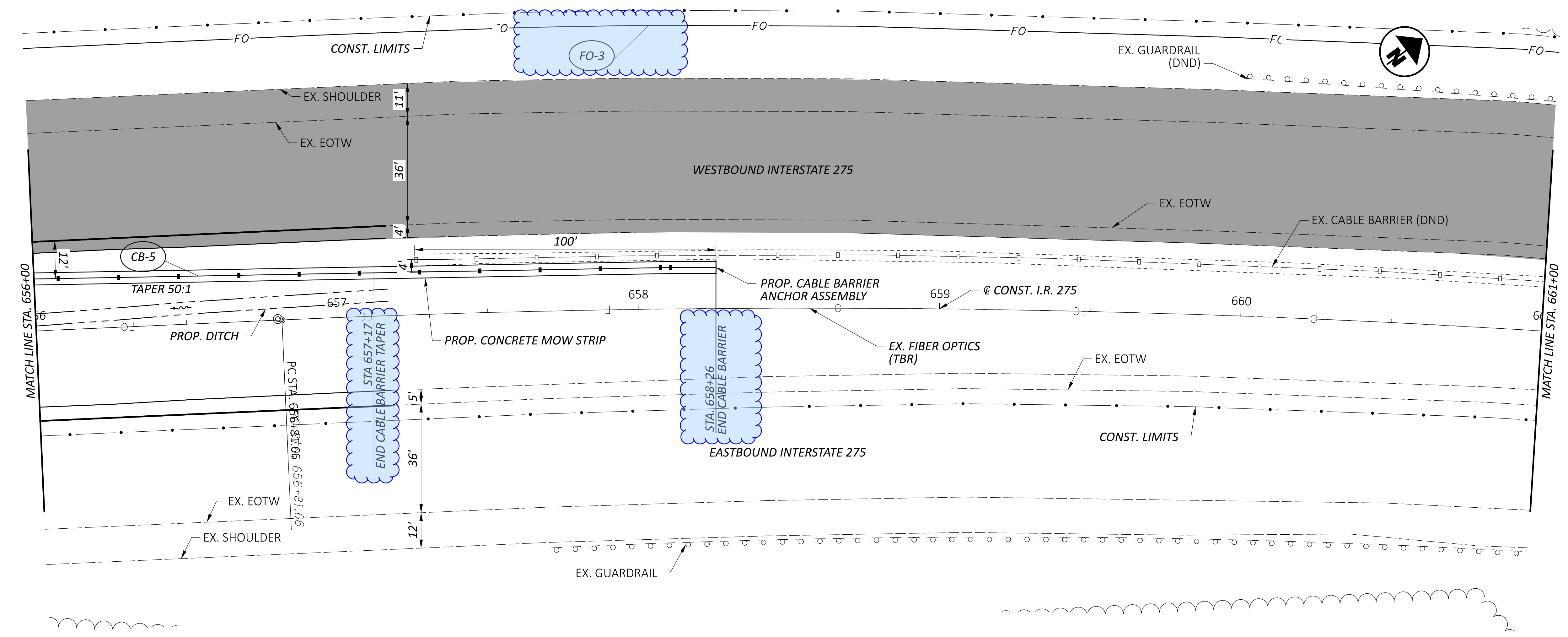
PLAN AND PROFILE  
 STA. 646+00 TO STA. 651+00

DESIGN AGENCY	
DESIGNER	TCS
REVIEWER	XXX MM-DD-YY
PROJECT ID	118051
SHEET	TOTAL
38	134




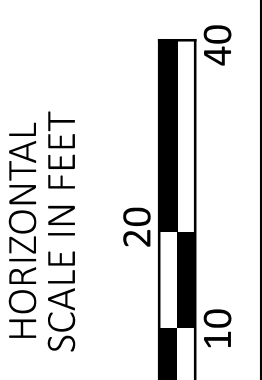
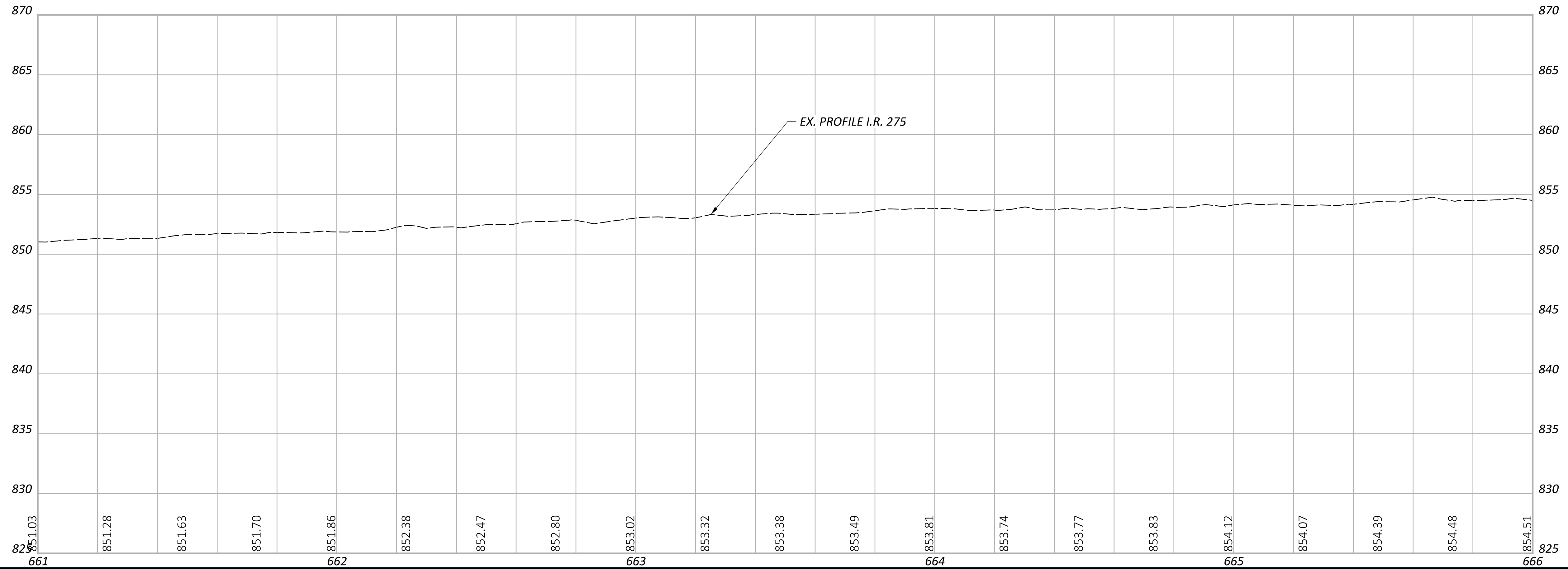
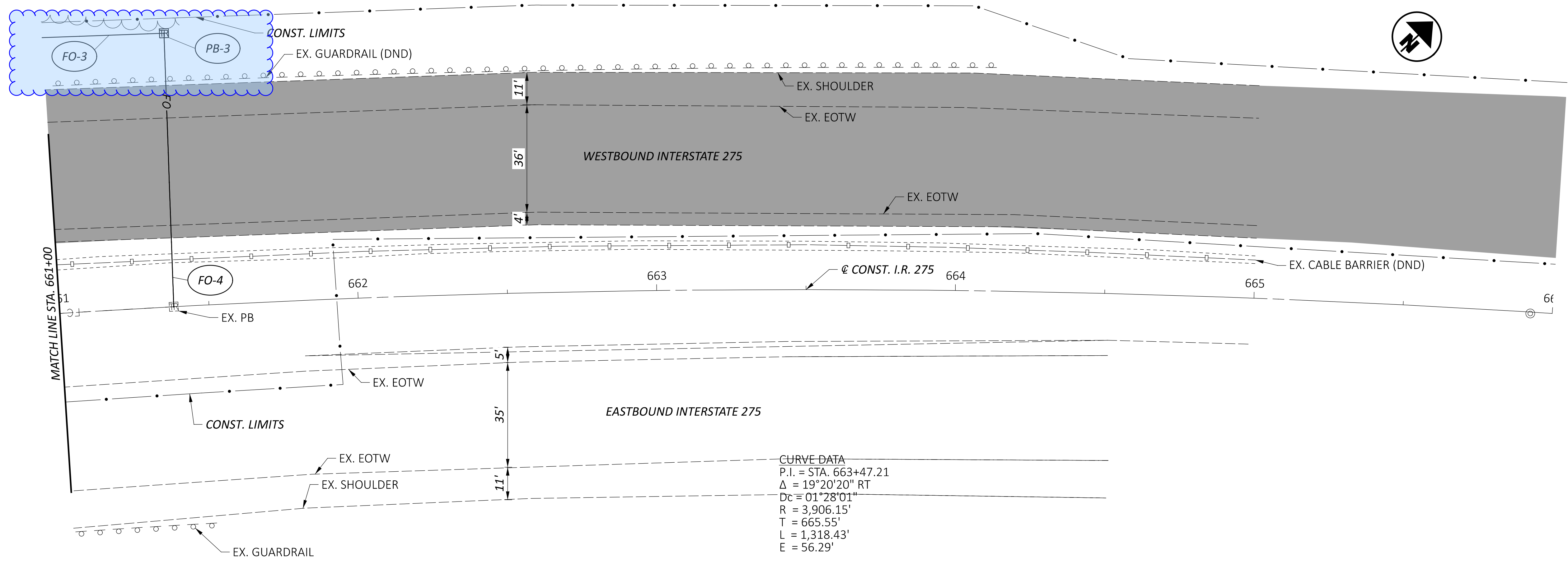
PLAN AND PROFILE  
 STA. 651+00 TO STA. 656+00

DESIGN AGENCY	
DESIGNER	TCS
REVIEWER	XXX MM-DD-YY
PROJECT ID	118051
SHEET	TOTAL
39	134



PLAN AND PROFILE  
 STA. 656+00 TO STA. 661+00

DESIGN AGENCY  
  
 DESIGNER  
 TCS  
 REVIEWER  
 XXX MM-DD-YY  
 PROJECT ID  
 118051  
 SHEET TOTAL  
 40 134



PLAN AND PROFILE  
 STA. 661+00 TO STA. 666+00

DESIGN AGENCY

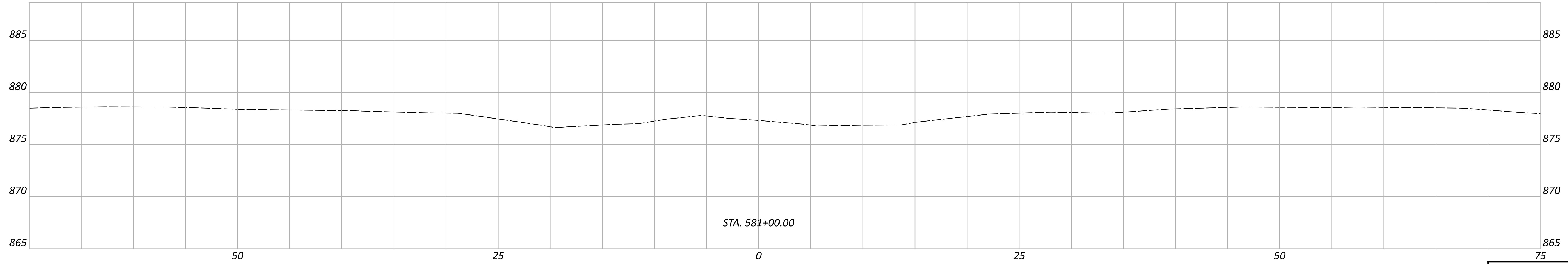
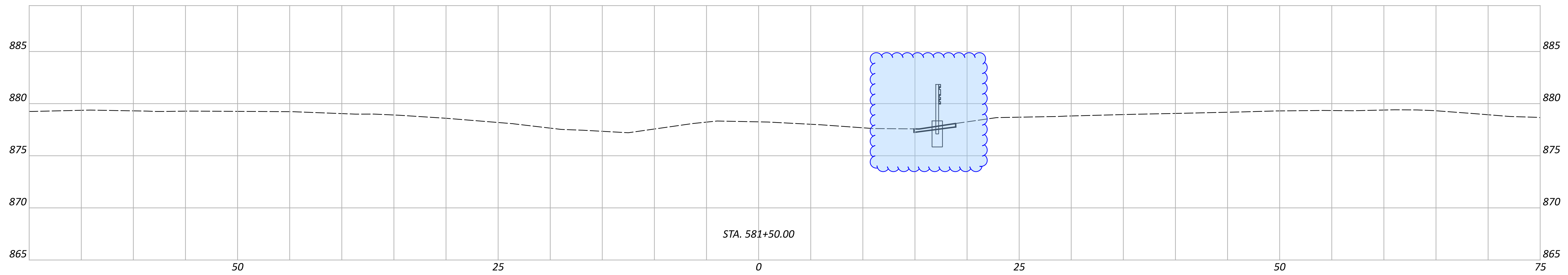
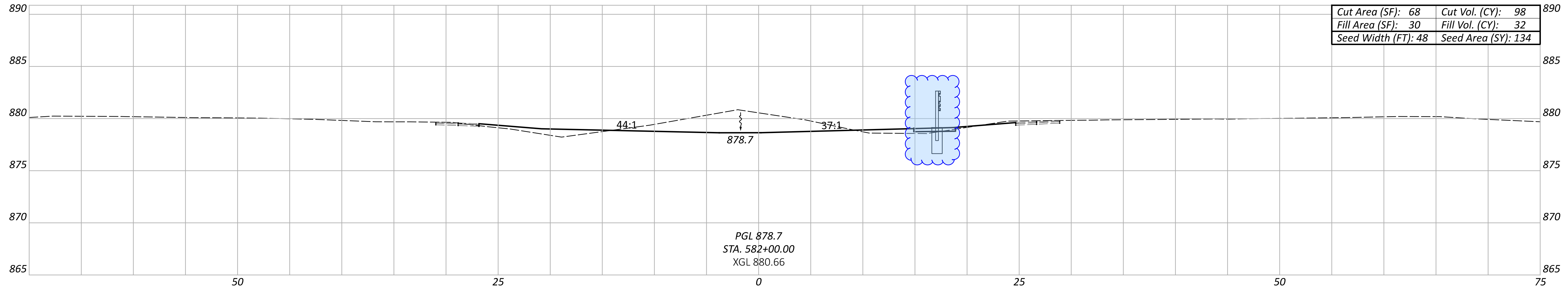


DESIGNER  
 TCS

REVIEWER  
 XXX MM-DD-YY

PROJECT ID  
 118051

SHEET TOTAL  
 41 134



CROSS SECTIONS - I.R. 275  
 STA. 581+00 TO STA. 582+00

DESIGN AGENCY



DESIGNER

TCS

REVIEWER

XXX MM-DD-YY

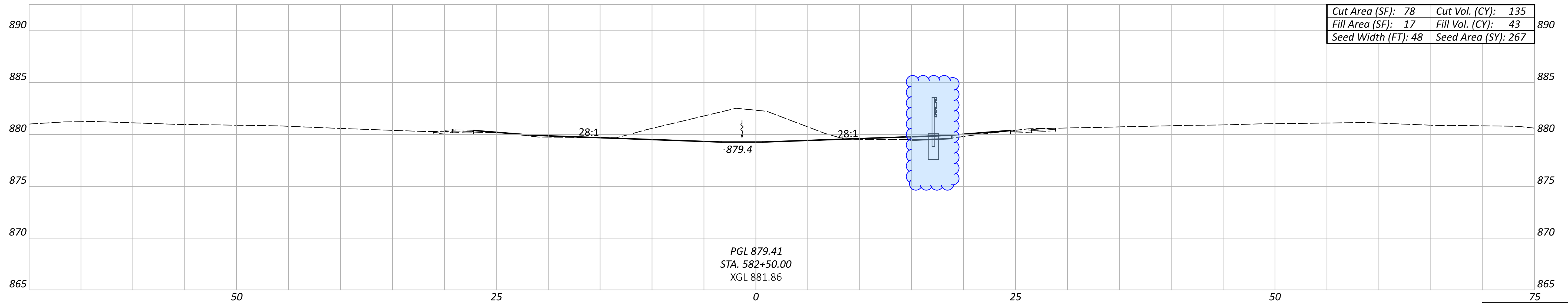
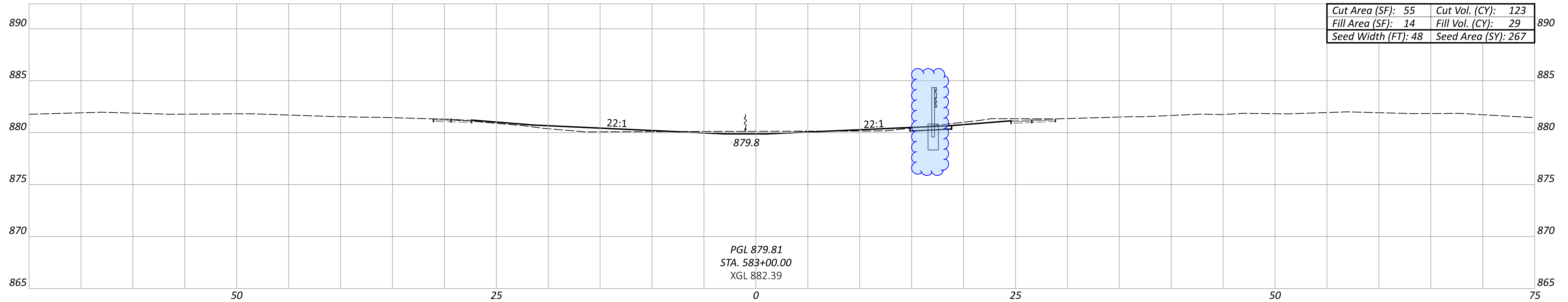
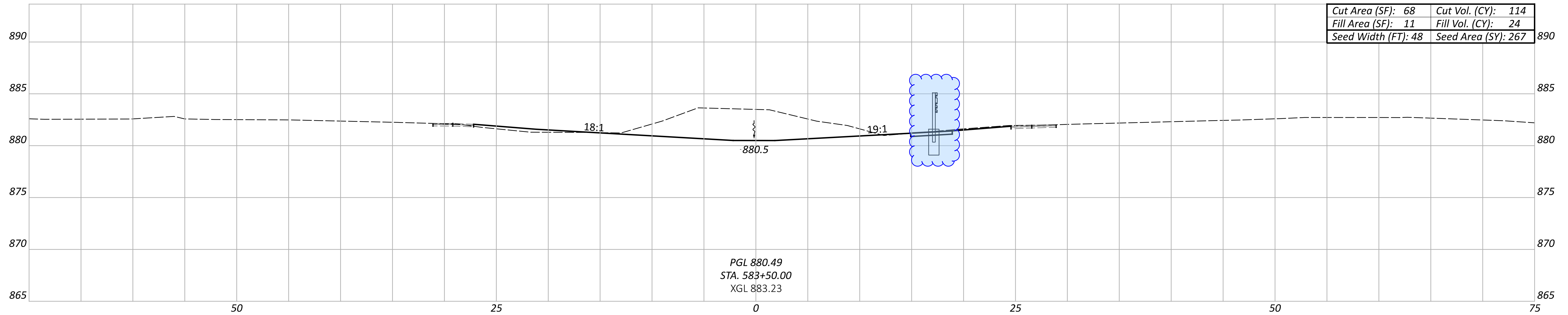
PROJECT ID

118051

Sheet Totals

Seeding	Cut	Fill
134	183	8

SHEET	TOTAL
42	134



Sheet Totals			118051	
Seeding	Cut	Fill	SHEET	TOTAL
801	645	5	43	134

CROSS SECTIONS - I.R. 275  
 STA. 582+50 TO STA. 583+50

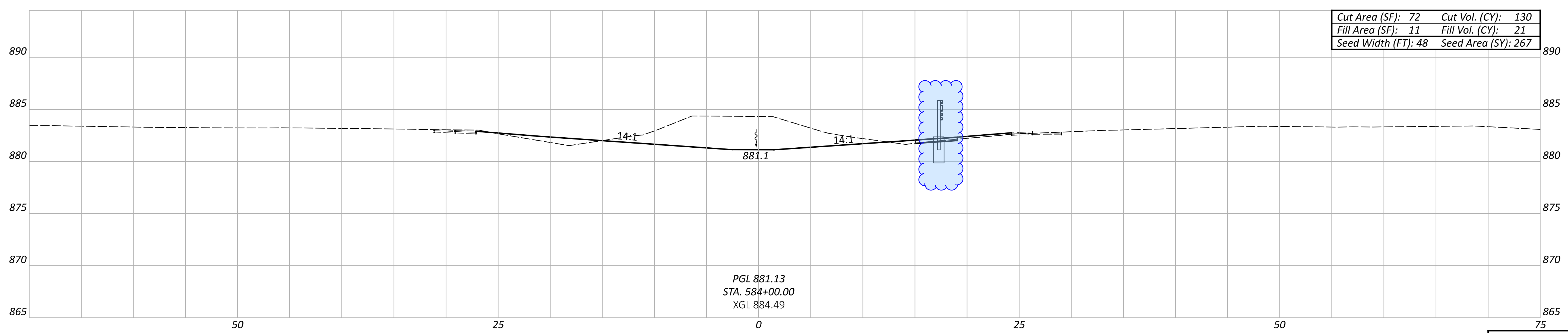
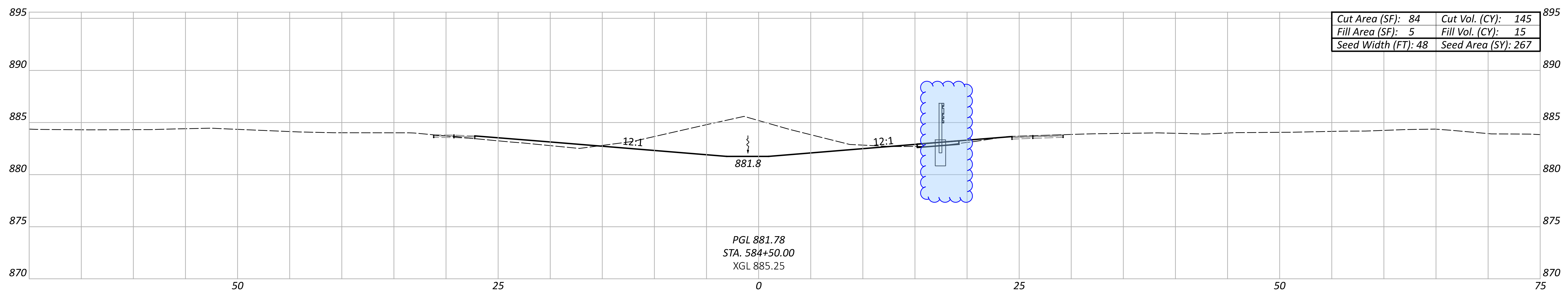
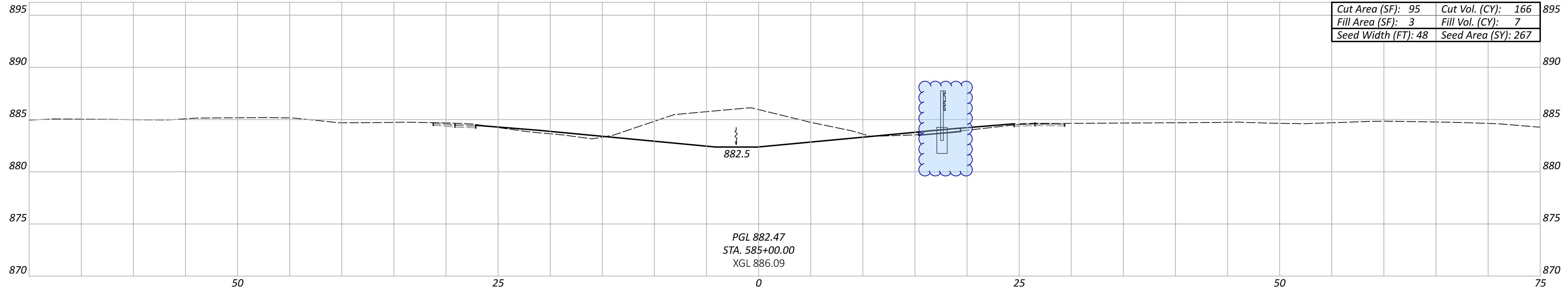
DESIGN AGENCY



DESIGNER  
 TCS

REVIEWER  
 XXX MM-DD-YY

PROJECT ID  
 118051



Sheet Totals			118051	
Seeding	Cut	Fill	SHEET	TOTAL
801	596	18	44	134

CROSS SECTIONS - I.R. 275  
 STA. 584+00 TO STA. 585+00

DESIGN AGENCY

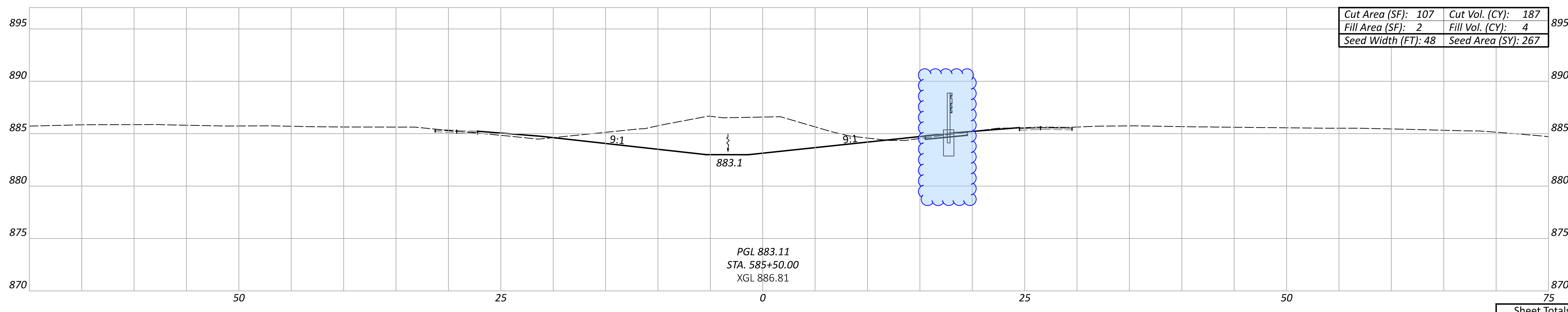
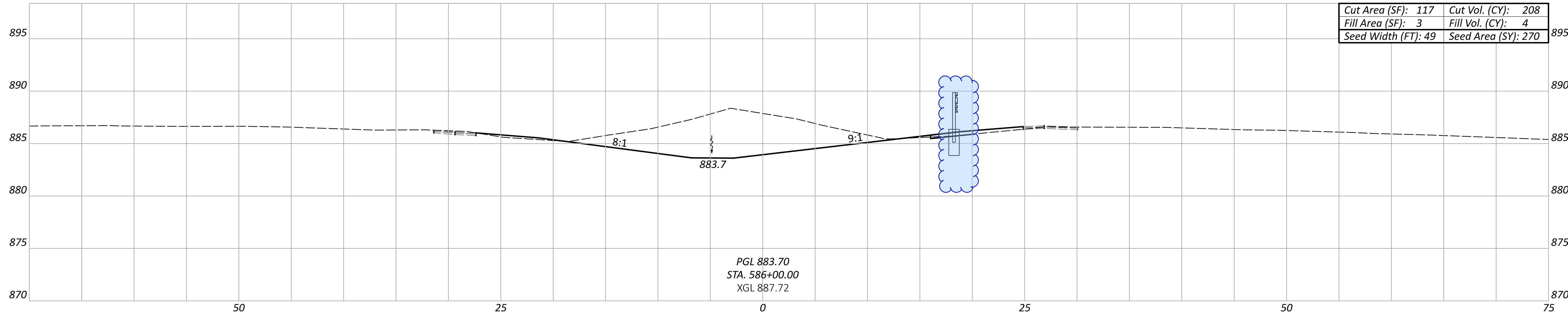
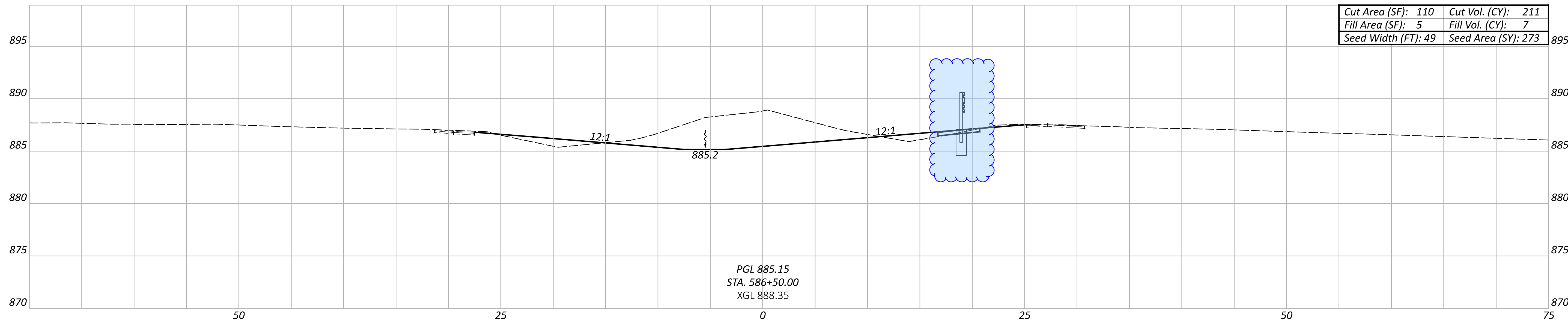


DESIGNER  
 TCS

REVIEWER  
 XXX MM-DD-YY

PROJECT ID  
 118051





Sheet Totals			118051	
Seeding	Cut	Fill	SHEET	TOTAL
810	674	15	45	134

CROSS SECTIONS - I.R. 275  
STA. 585+50 TO STA. 586+50

DESIGN AGENCY



DESIGNER

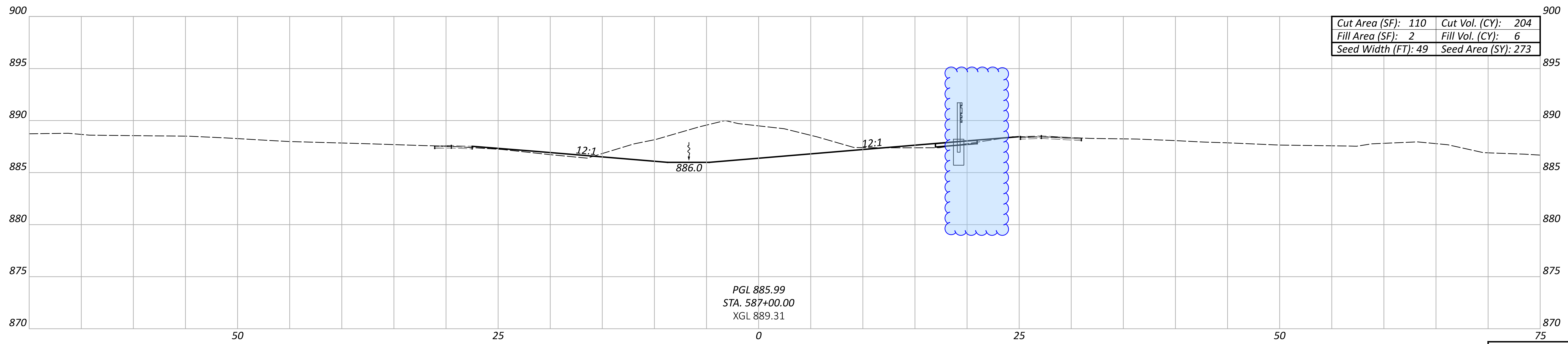
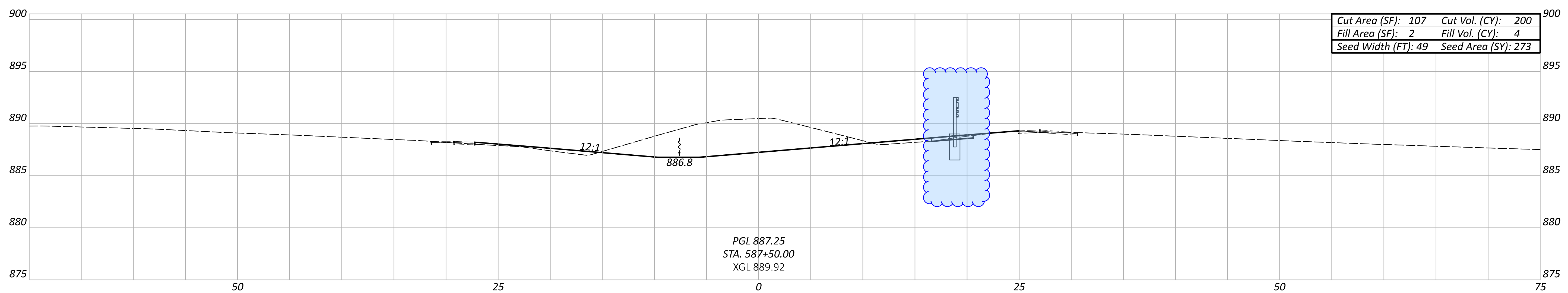
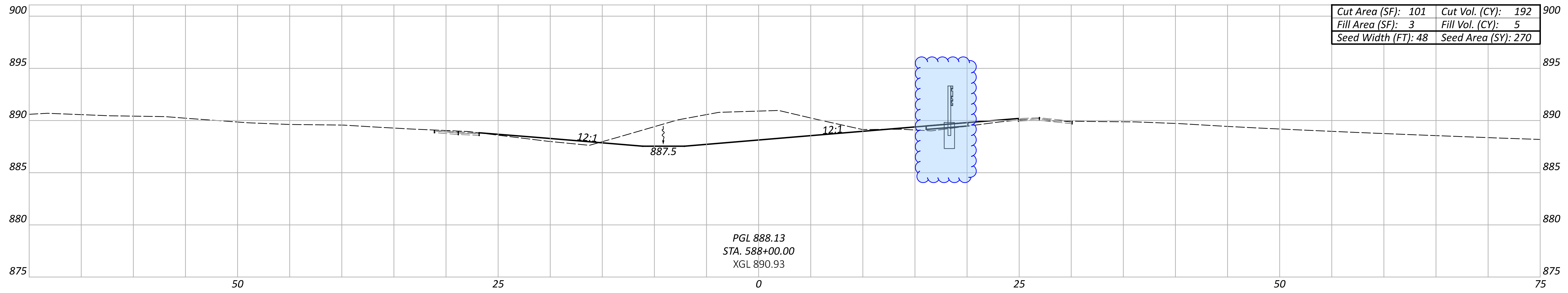
TCS

REVIEWER

XXX MM-DD-YY

PROJECT ID

118051



Sheet Totals			118051	
Seeding	Cut	Fill	SHEET	TOTAL
816	605	15	46	134

CROSS SECTIONS - I.R. 275  
STA. 587+00 TO STA. 588+00

DESIGN AGENCY



DESIGNER

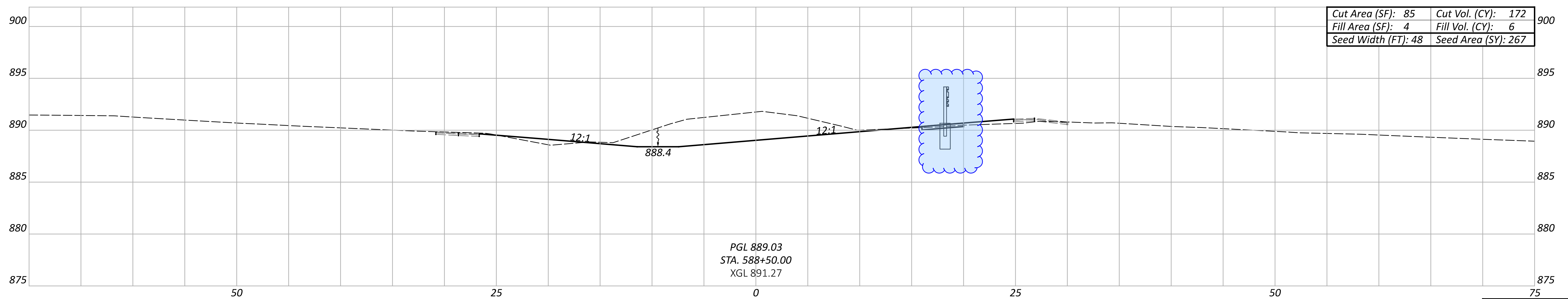
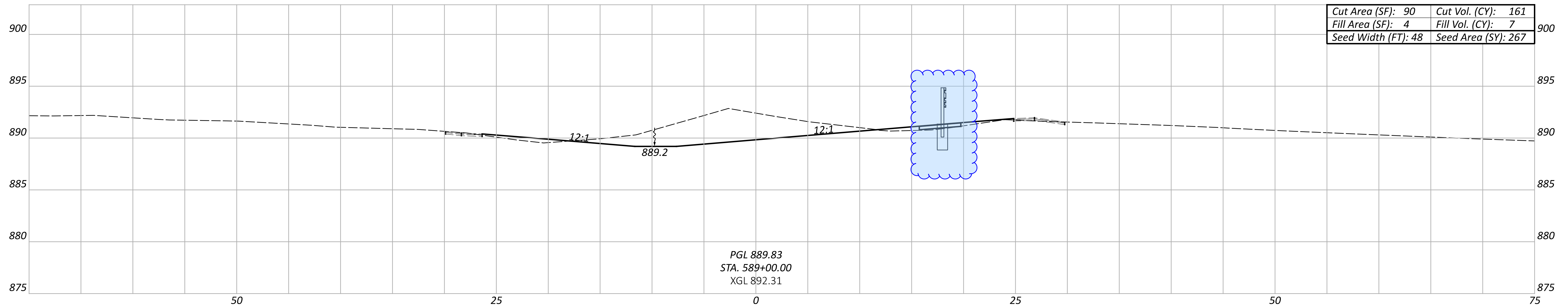
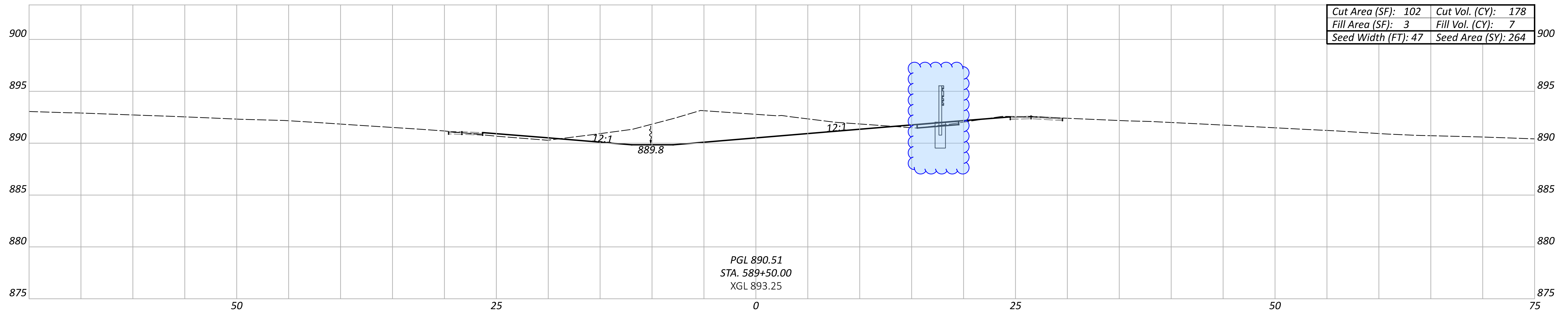
TCS

REVIEWER

XXX MM-DD-YY

PROJECT ID

118051



Sheet Totals			118051	
Seeding	Cut	Fill	SHEET	TOTAL
798	579	17	47	134

CROSS SECTIONS - I.R. 275  
STA. 588+50 TO STA. 589+50

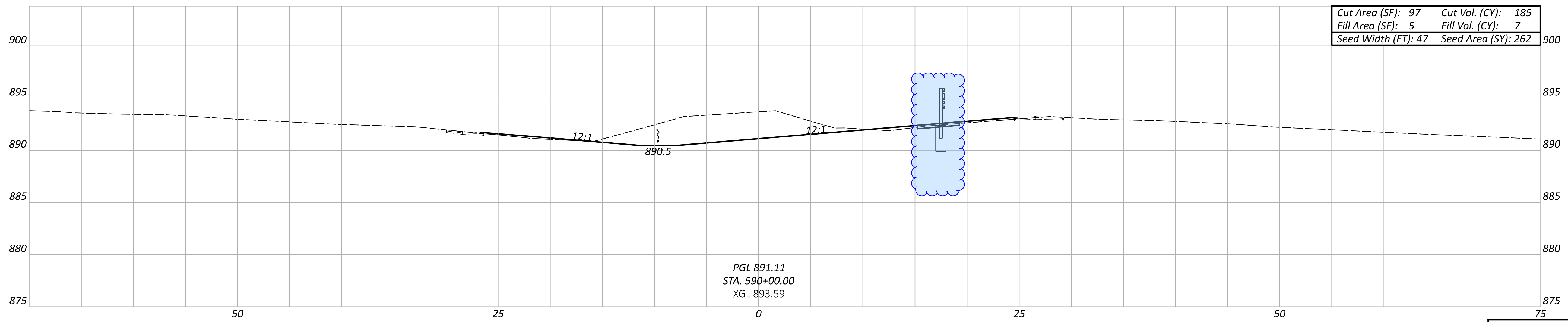
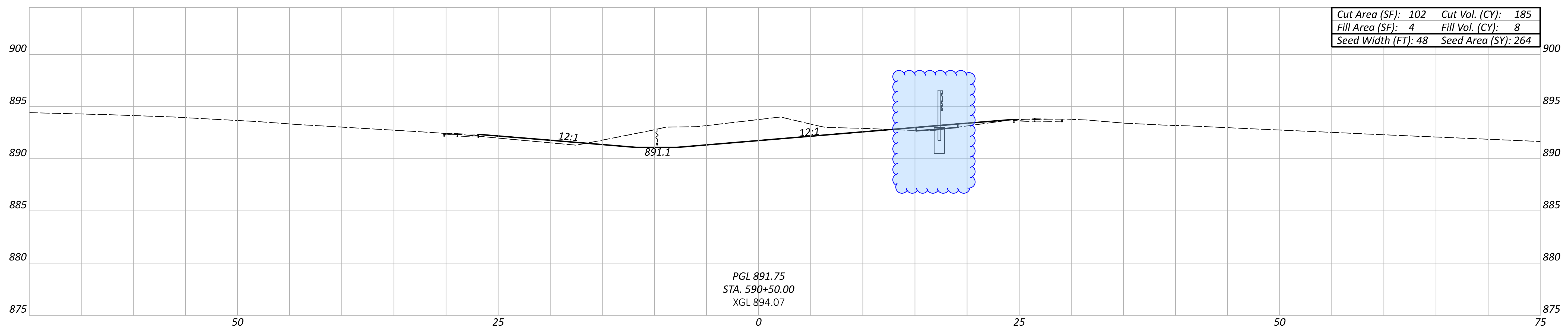
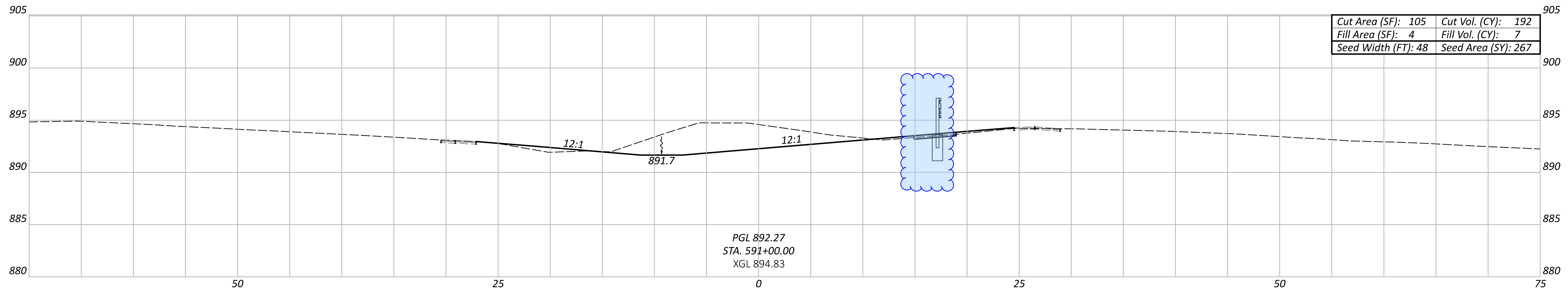
DESIGN AGENCY



DESIGNER  
TCS

REVIEWER  
XXX MM-DD-YY

PROJECT ID  
118051



CROSS SECTIONS - I.R. 275  
 STA. 590+00 TO STA. 591+00

DESIGN AGENCY

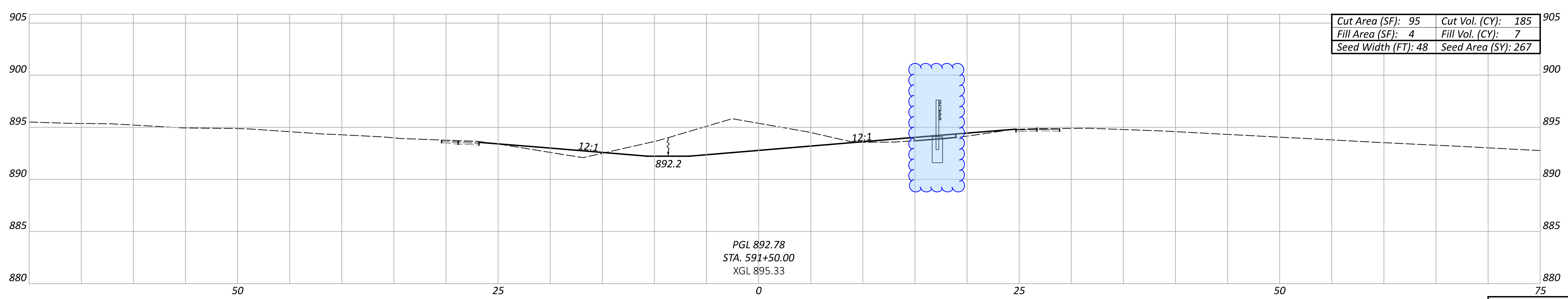
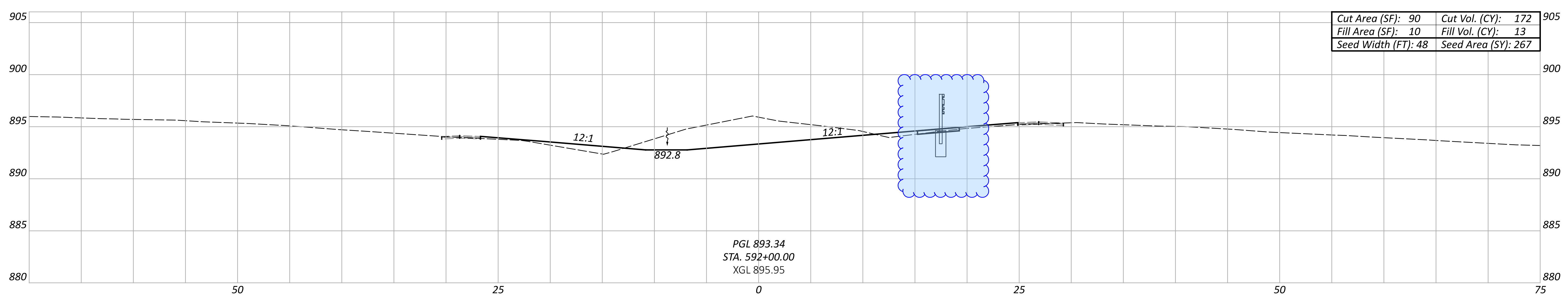
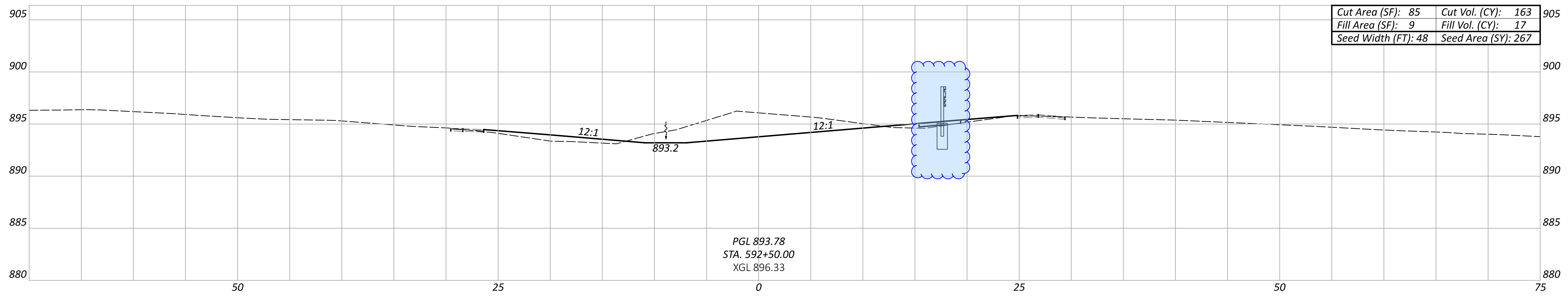


DESIGNER  
 TCS

REVIEWER  
 XXX MM-DD-YY

PROJECT ID  
 118051

Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
793	662	14	48	134



CROSS SECTIONS - I.R. 275  
STA. 591+50 TO STA. 592+50

DESIGN AGENCY

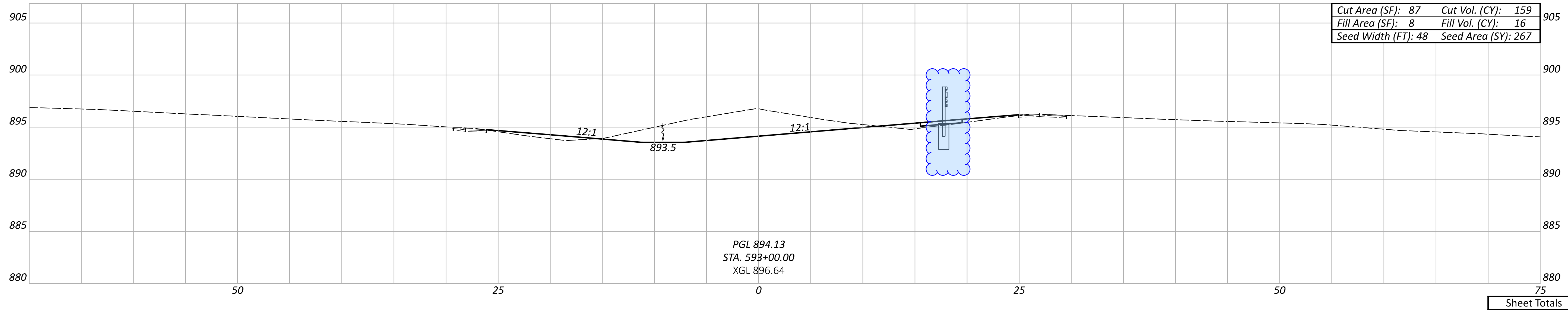
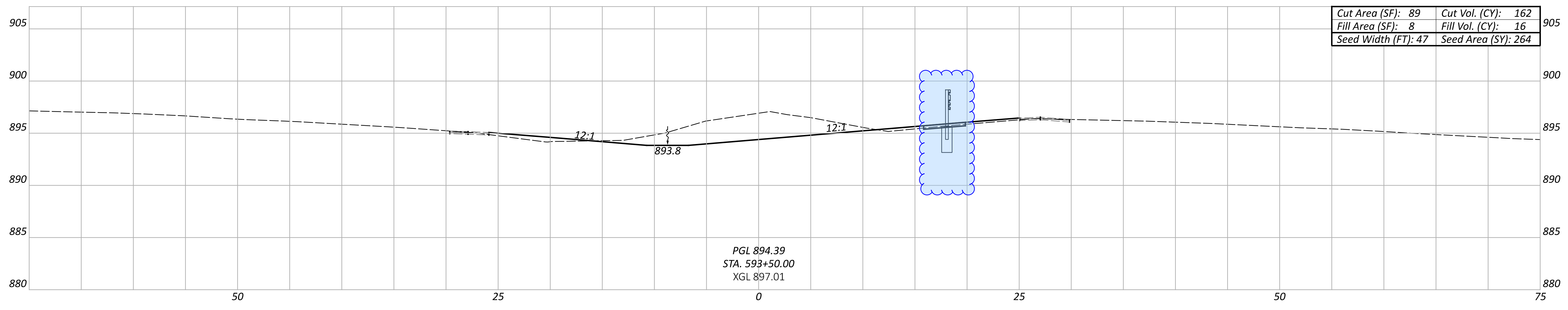
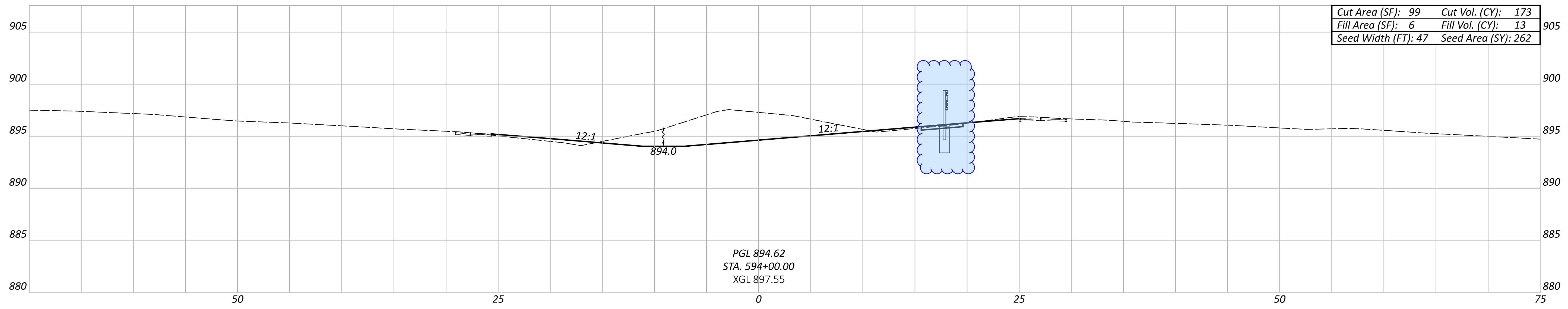


DESIGNER  
TCS

REVIEWER  
XXX MM-DD-YY

PROJECT ID  
118051

Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
801	621	26	49	134



CROSS SECTIONS - I.R. 275  
 STA. 593+00 TO STA. 594+00

DESIGN AGENCY

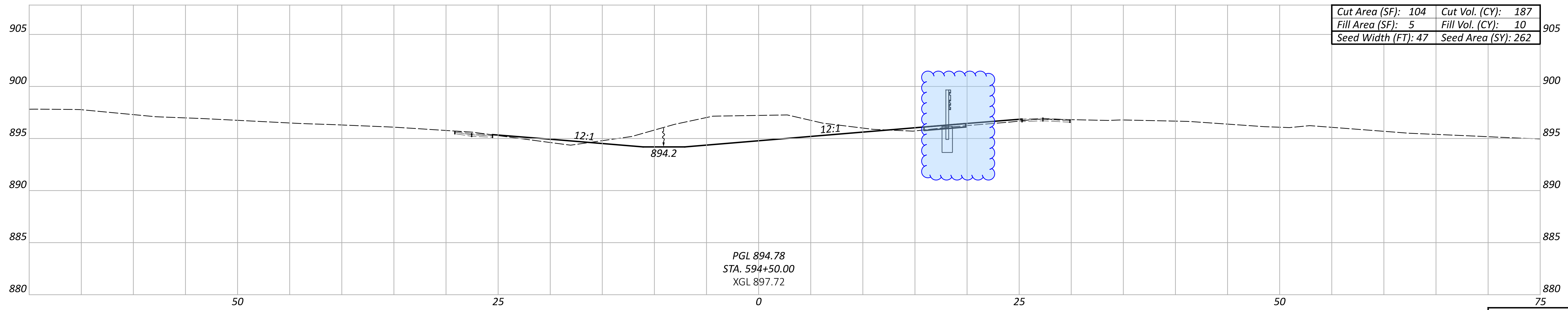
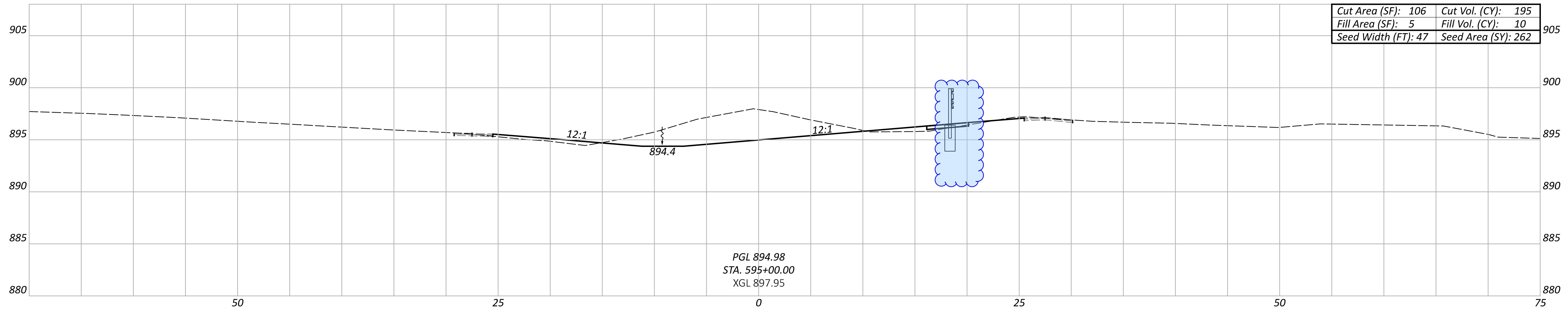
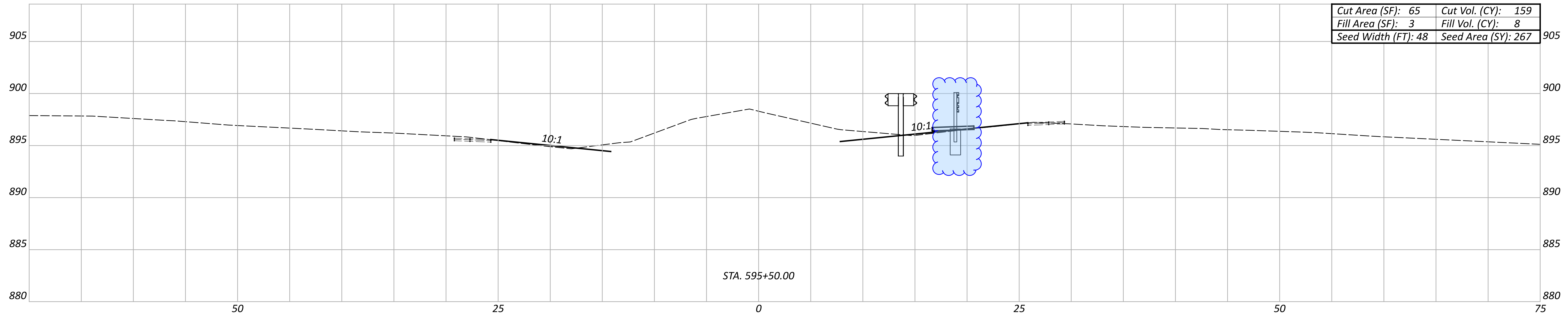


DESIGNER  
 TCS

REVIEWER  
 XXX MM-DD-YY

PROJECT ID  
 118051

Sheet Totals			118051	
Seeding	Cut	Fill	SHEET	TOTAL
793	589	24	50	134



CROSS SECTIONS - I.R. 275  
 STA. 594+50 TO STA. 595+50

DESIGN AGENCY

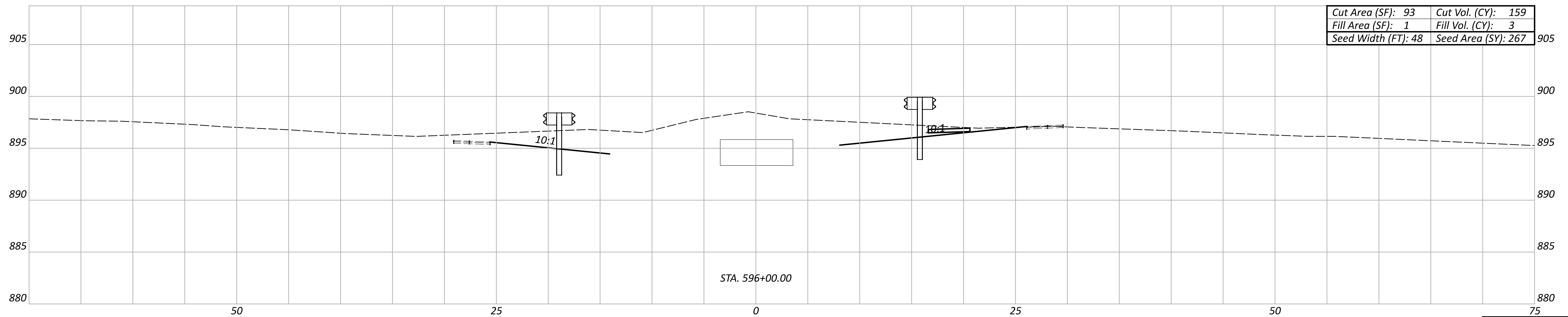
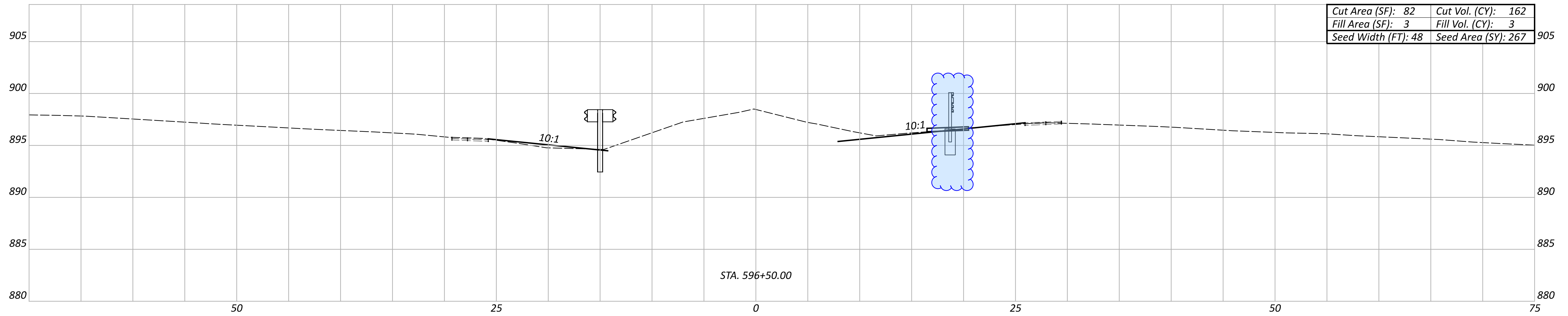
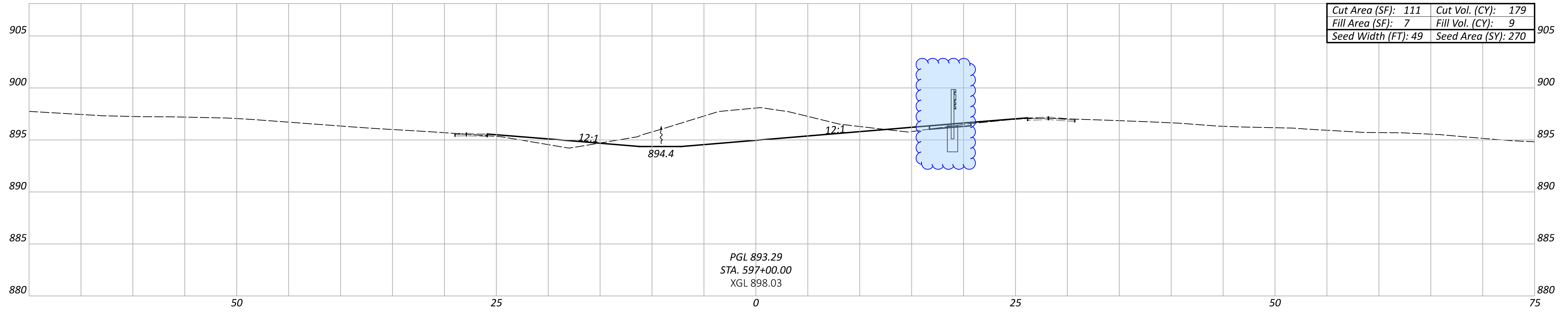


DESIGNER  
 TCS

REVIEWER  
 XXX MM-DD-YY

PROJECT ID  
 118051

Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
791	554	45	51	134



CROSS SECTIONS - I.R. 275  
STA. 596+00 TO STA. 597+00

DESIGN AGENCY



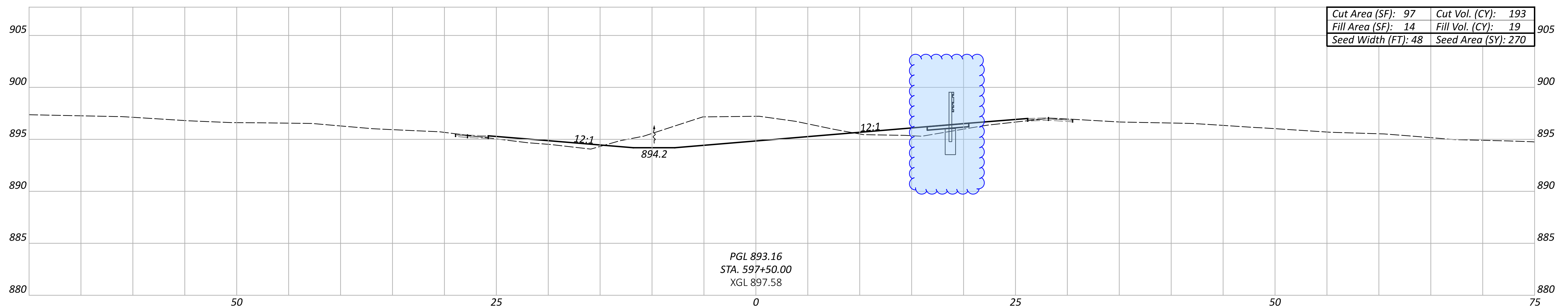
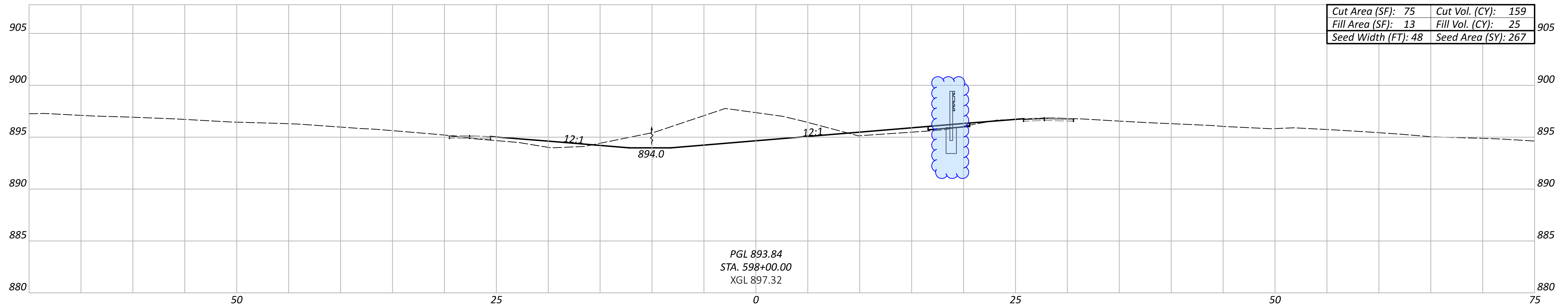
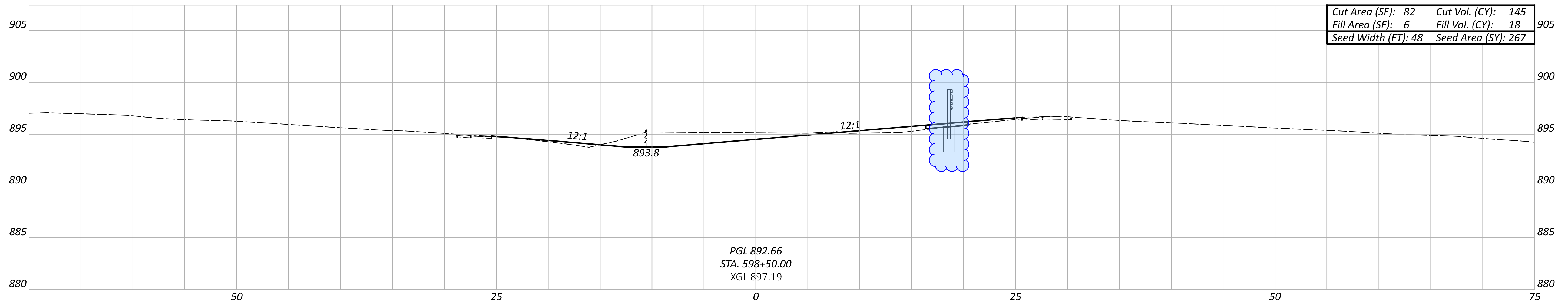
DESIGNER  
TCS

REVIEWER  
XXX MM-DD-YY

PROJECT ID  
118051

Sheet Totals			118051	
Seeding	Cut	Fill	SHEET	TOTAL
804	500	15	52	134





CROSS SECTIONS - I.R. 275  
 STA. 597+50 TO STA. 598+50

DESIGN AGENCY



DESIGNER

TCS

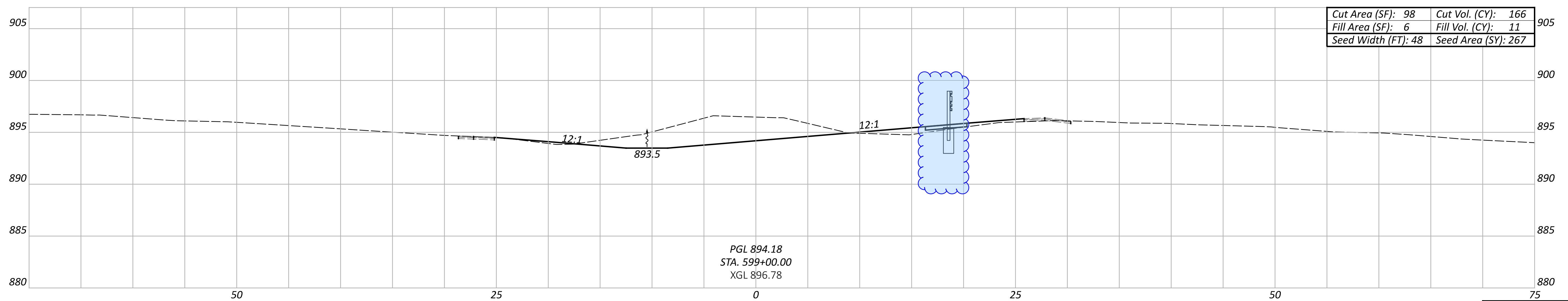
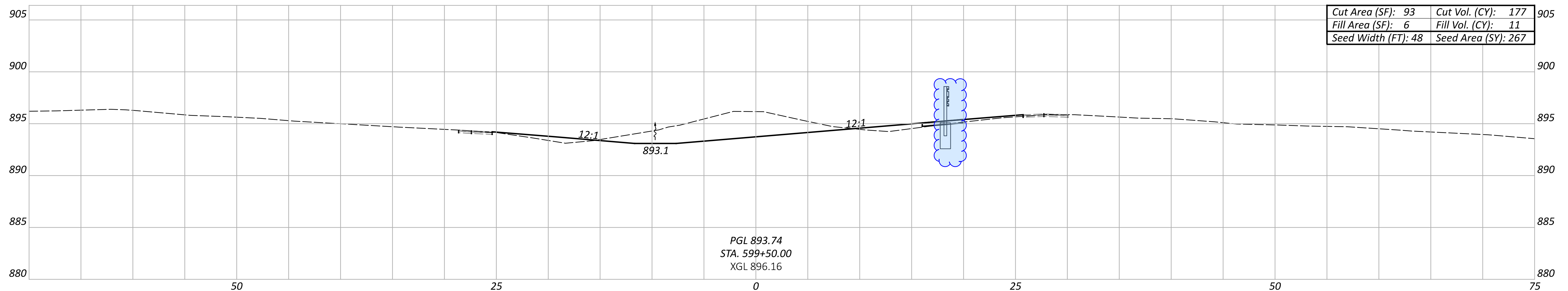
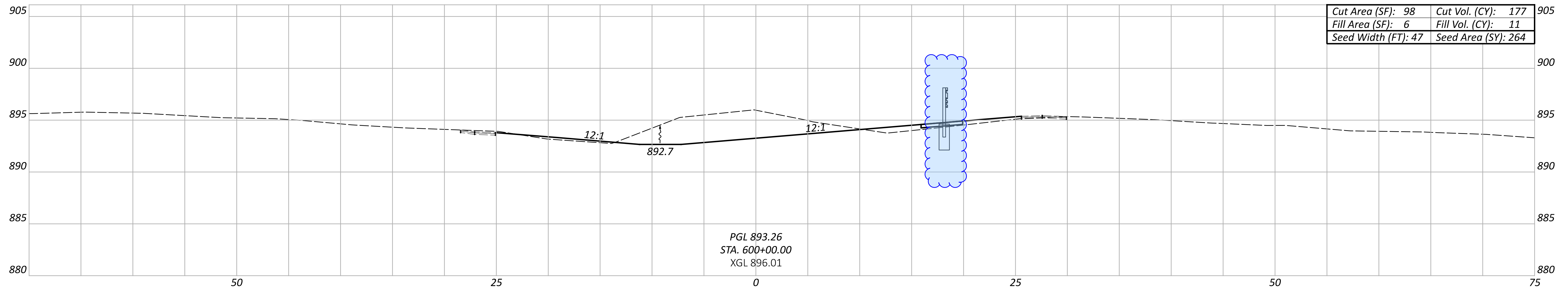
REVIEWER

XXX MM-DD-YY

PROJECT ID

118051

Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
804	497	62	53	134



Sheet Totals			118051	
Seeding	Cut	Fill	SHEET	TOTAL
798	520	33	54	134

CROSS SECTIONS - I.R. 275  
 STA. 599+00 TO STA. 600+00

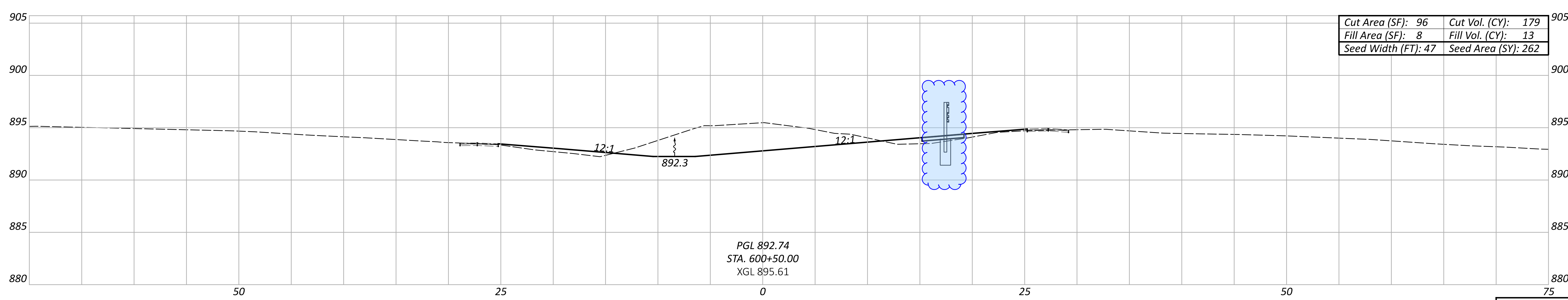
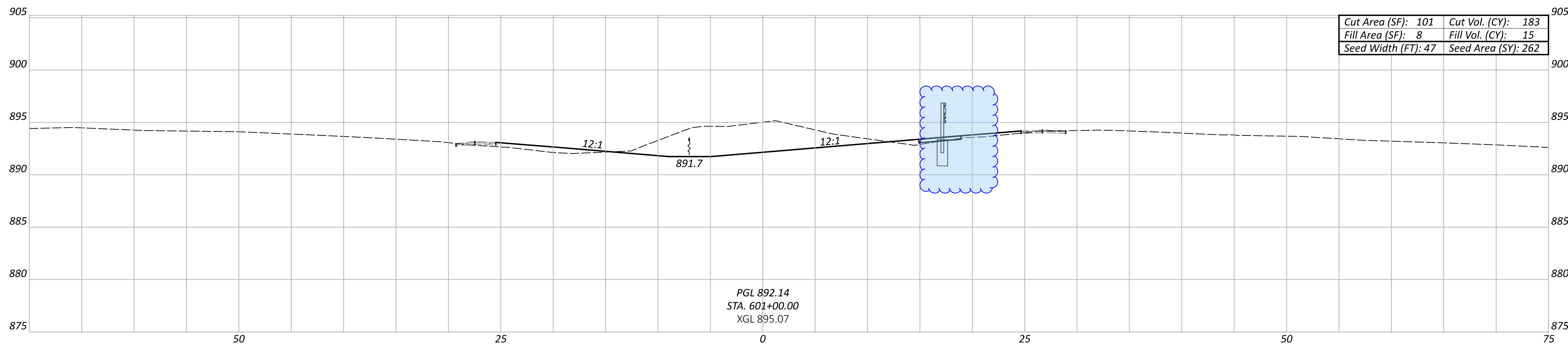
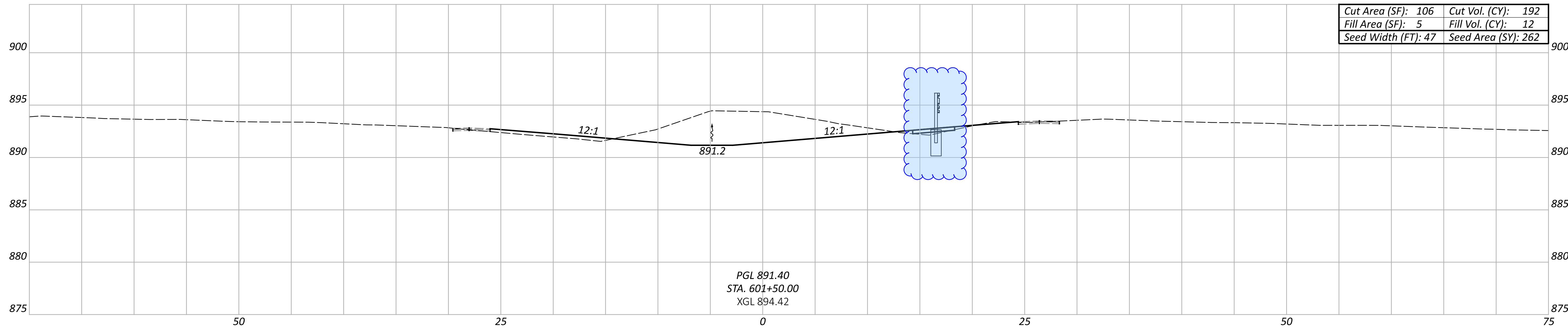
DESIGN AGENCY



DESIGNER  
 TCS

REVIEWER  
 XXX MM-DD-YY

PROJECT ID  
 118051



CROSS SECTIONS - I.R. 275  
 STA. 600+50 TO STA. 601+50

DESIGN AGENCY

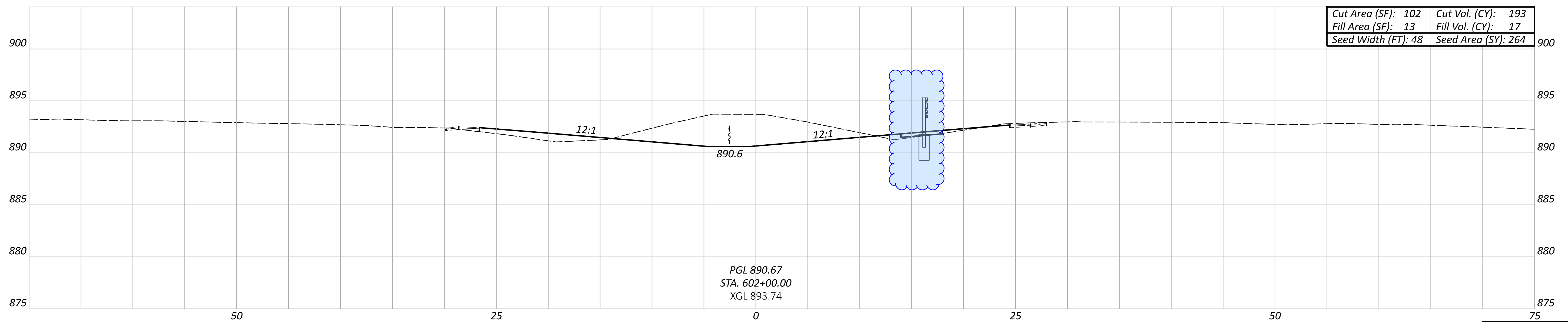
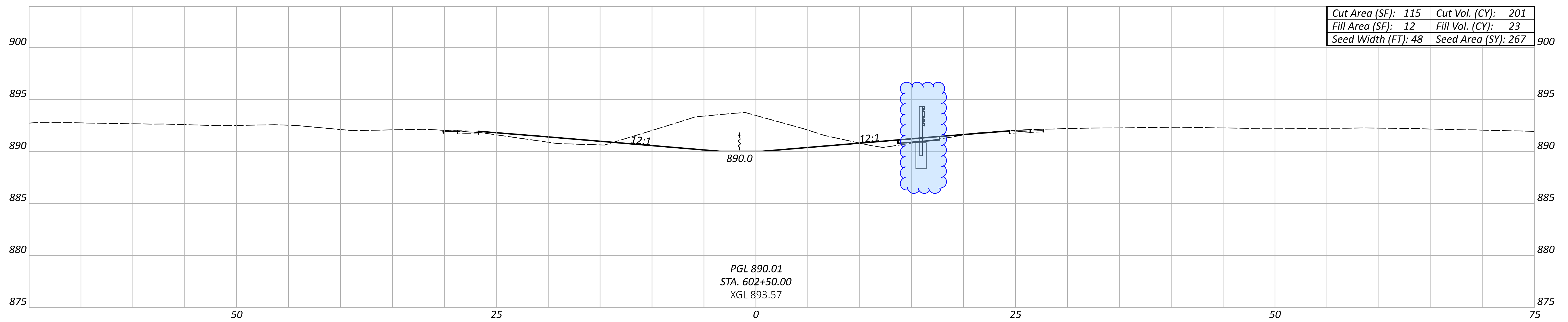
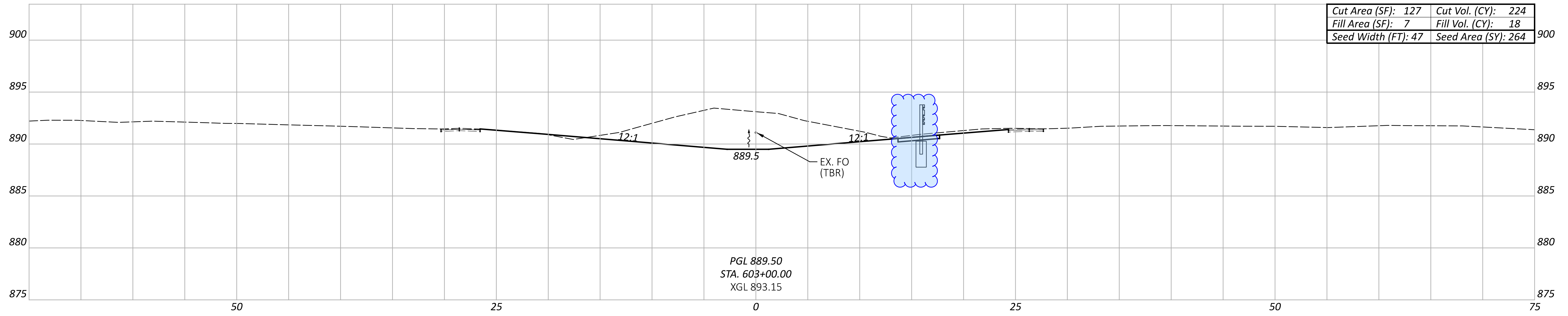


DESIGNER  
 TCS

REVIEWER  
 XXX MM-DD-YY

PROJECT ID  
 118051

Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
786	554	40	55	134



CROSS SECTIONS - I.R. 275  
STA. 602+00 TO STA. 603+00

DESIGN AGENCY



DESIGNER

TCS

REVIEWER

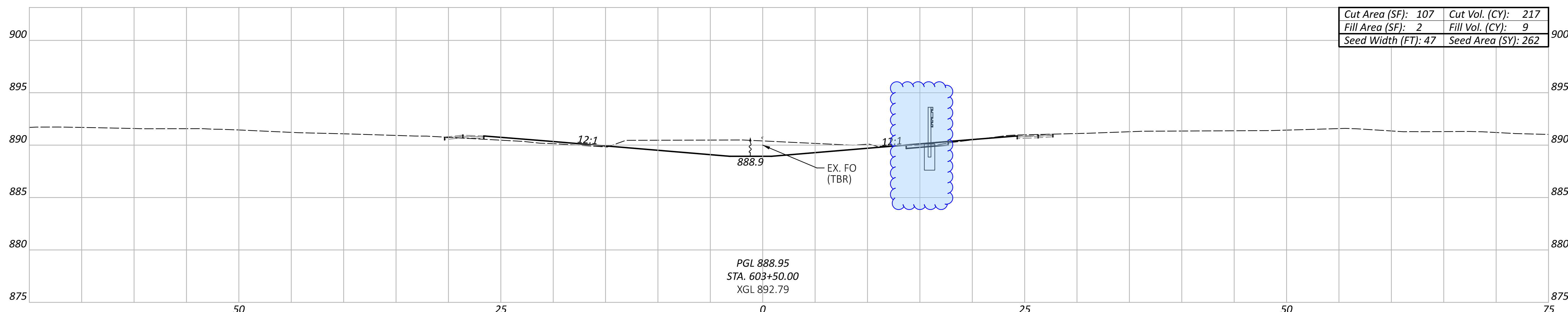
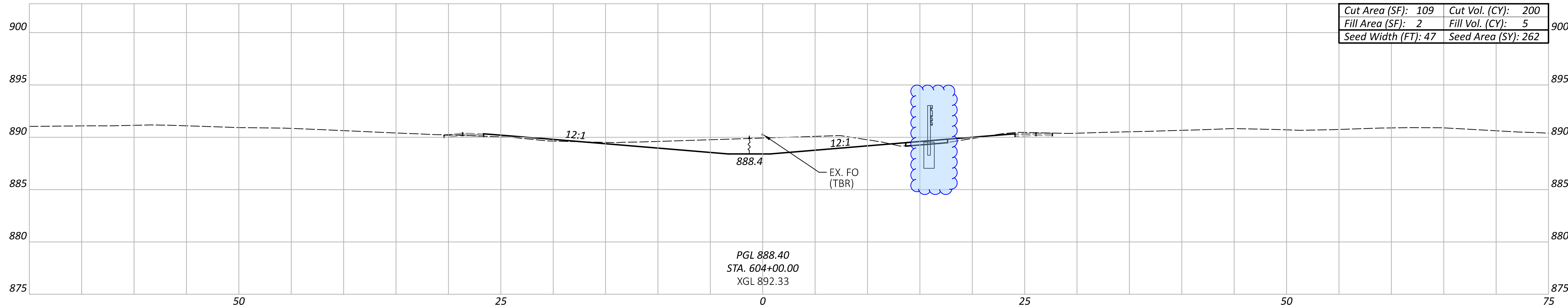
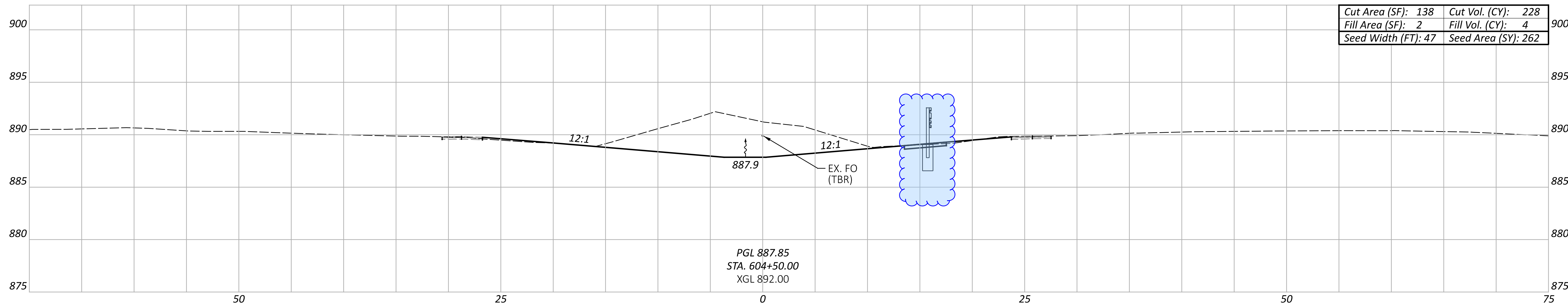
XXX MM-DD-YY

PROJECT ID

118051

Sheet Totals		
Seeding	Cut	Fill
795	618	58

SHEET	TOTAL
56	134



CROSS SECTIONS - I.R. 275  
 STA. 603+50 TO STA. 604+50

DESIGN AGENCY

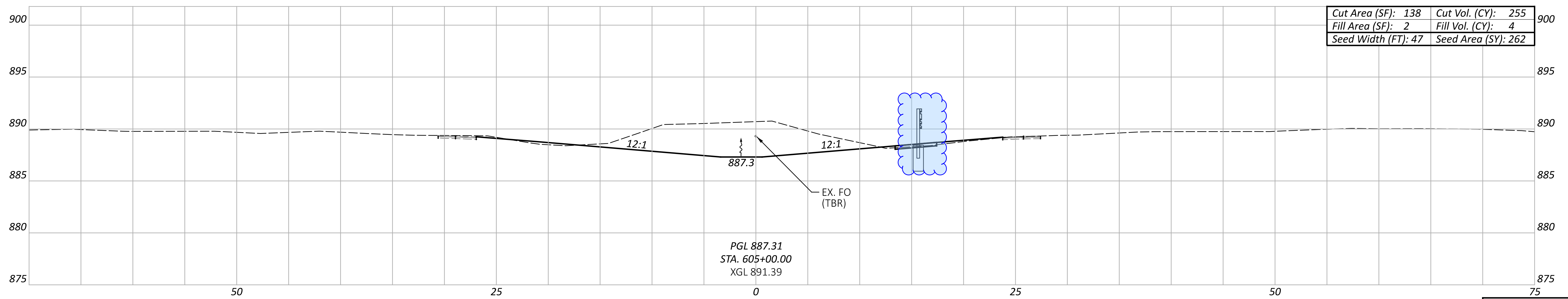
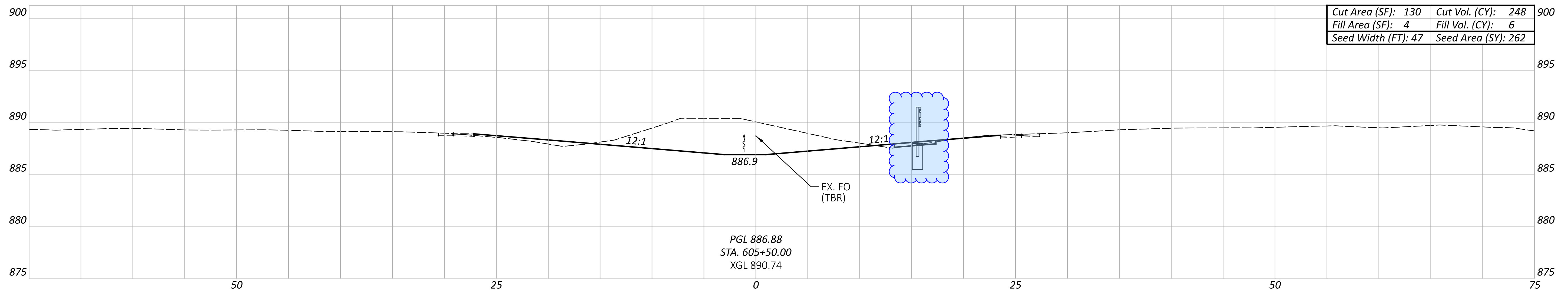
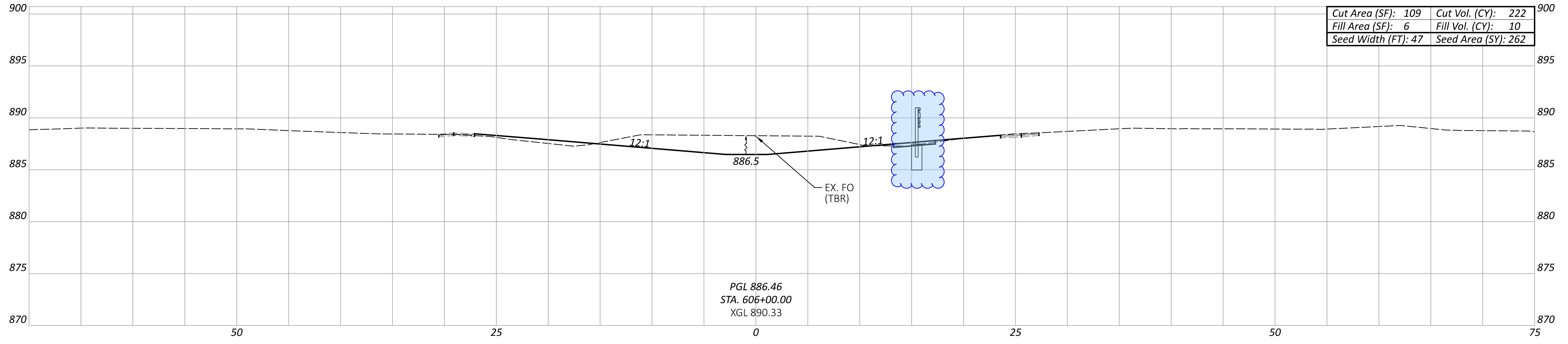


DESIGNER  
 TCS

REVIEWER  
 XXX MM-DD-YY

PROJECT ID  
 118051

Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
786	648	18	57	134



CROSS SECTIONS - I.R. 275  
 STA. 605+00 TO STA. 606+00

DESIGN AGENCY



DESIGNER

TCS

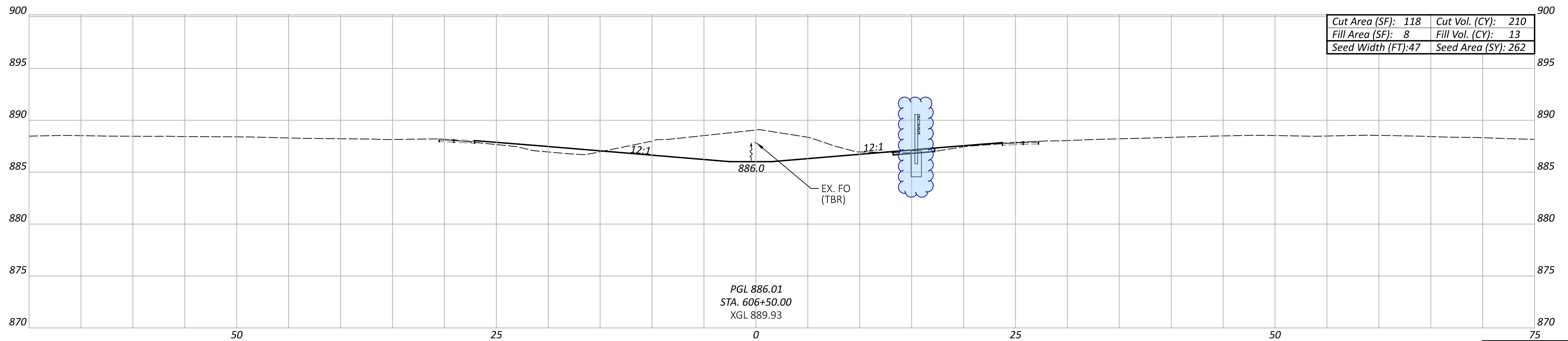
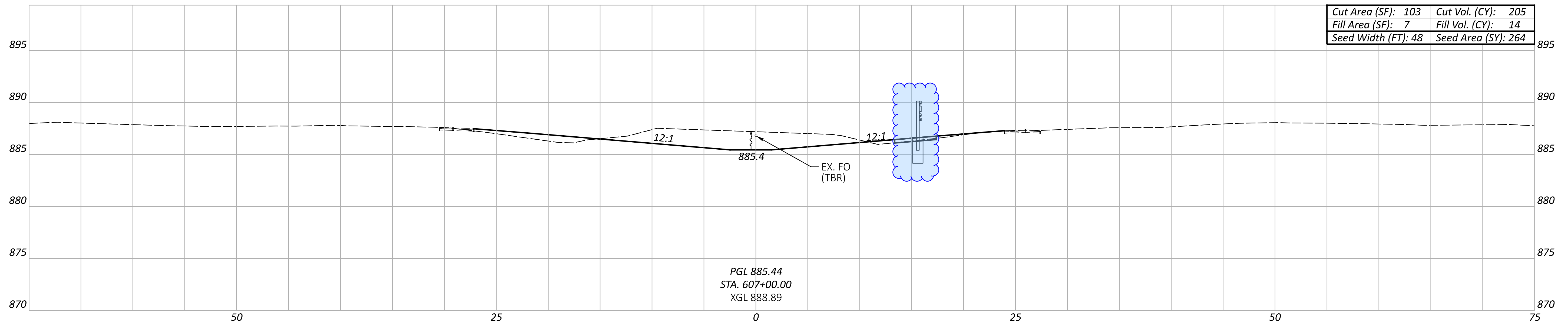
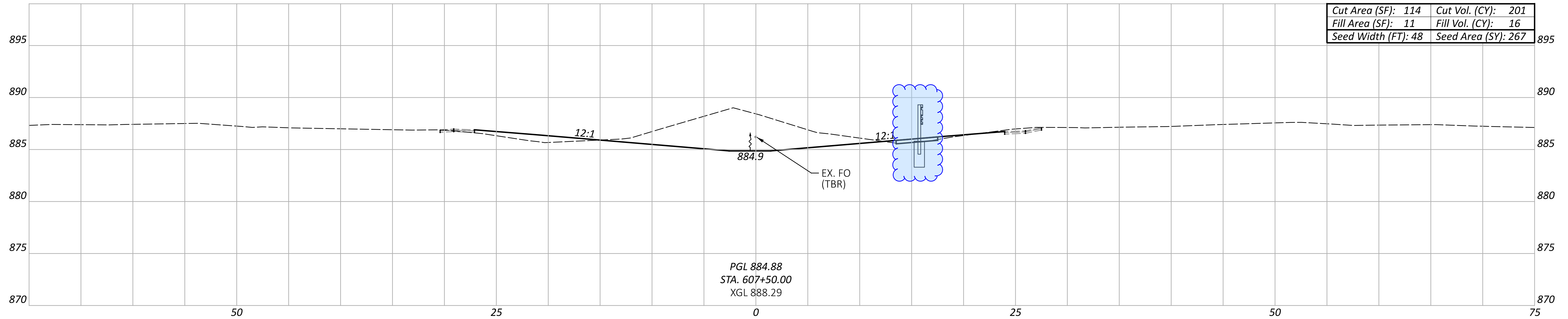
REVIEWER

XXX MM-DD-YY

PROJECT ID

118051

Sheet Totals			TOTAL
Seeding	Cut	Fill	SHEET
786	725	20	58
			TOTAL
			134



Sheet Totals			118051	
Seeding	Cut	Fill	SHEET	TOTAL
793	201	43	59	134

CROSS SECTIONS - I.R. 275  
 STA. 606+50 TO STA. 607+50

DESIGN AGENCY



DESIGNER

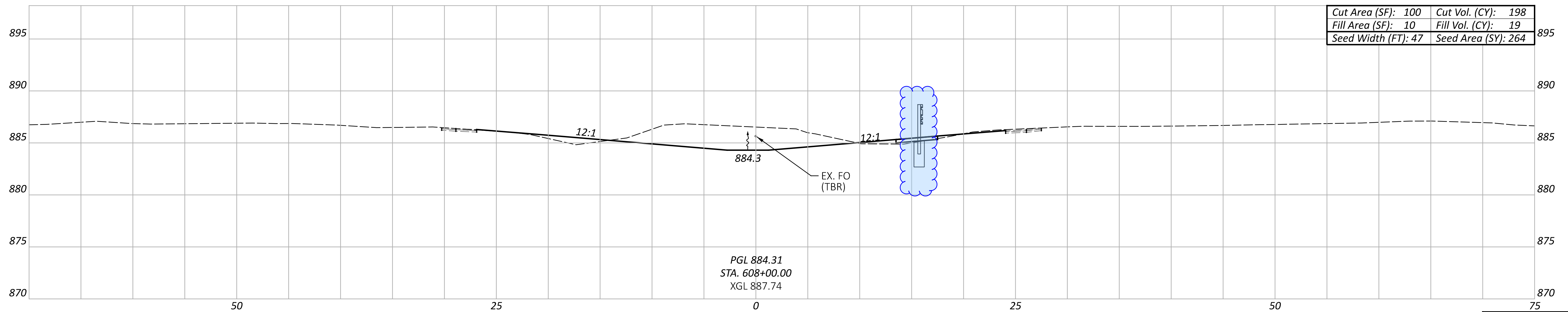
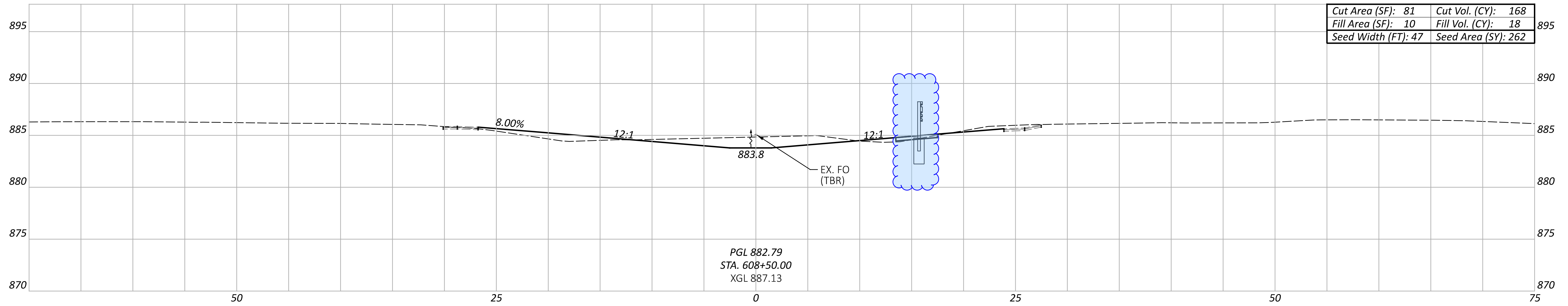
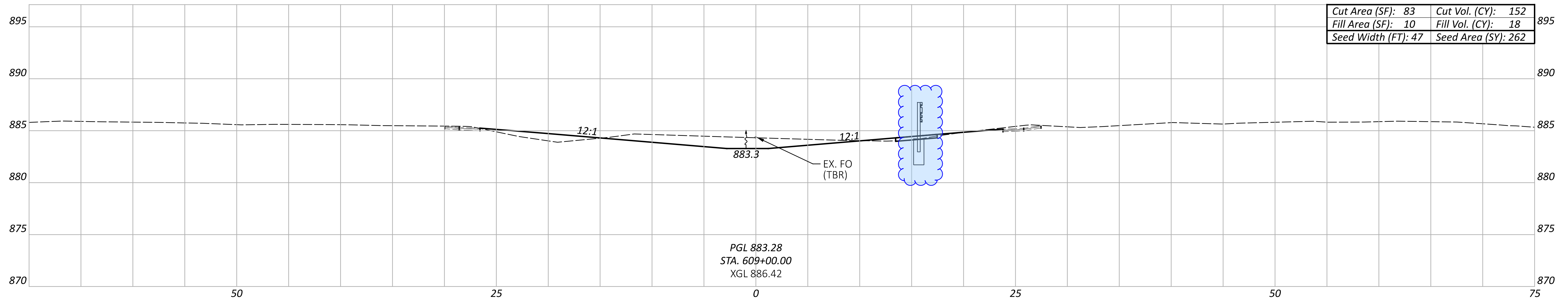
TCS

REVIEWER

XXX MM-DD-YY

PROJECT ID

118051



CROSS SECTIONS - I.R. 275  
 STA. 608+00 TO STA. 609+00

DESIGN AGENCY



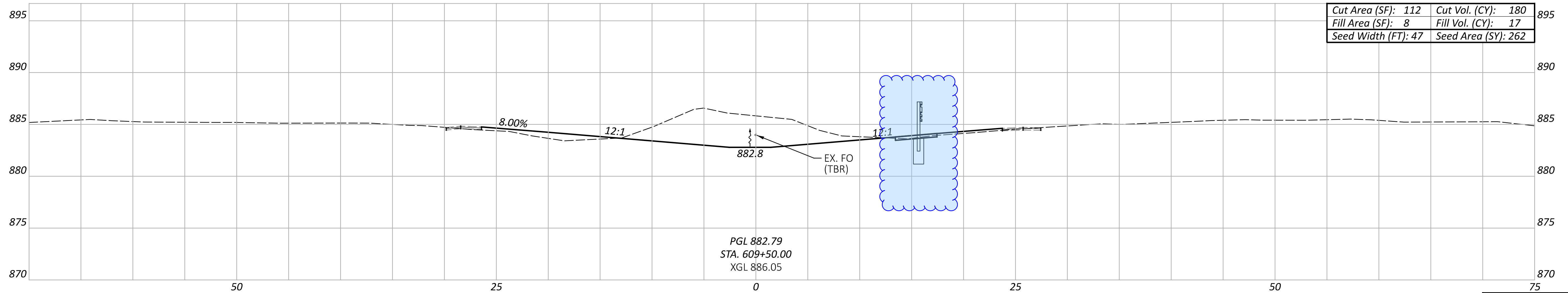
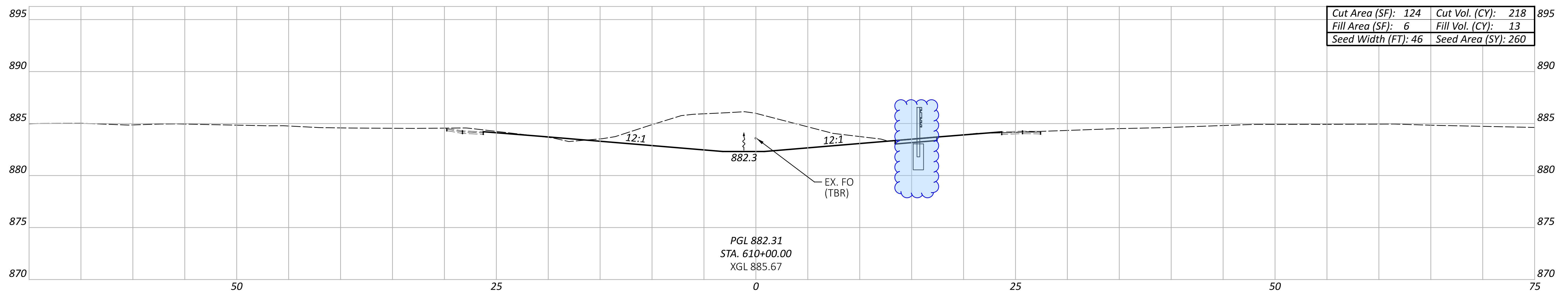
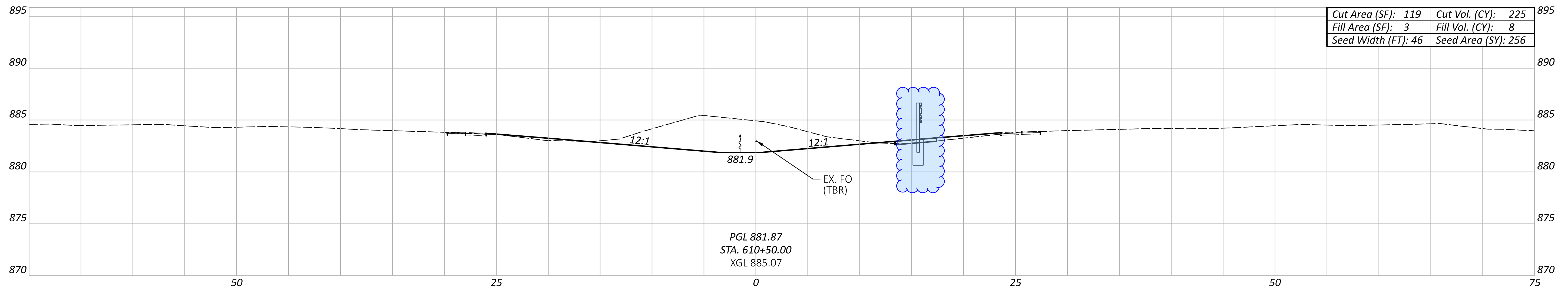
DESIGNER  
 TCS

REVIEWER  
 XXX MM-DD-YY

PROJECT ID  
 118051

Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
788	518	55	60	134





Sheet Totals			118051	
Seeding	Cut	Fill	SHEET	TOTAL
778	623	38	61	134

CROSS SECTIONS - I.R. 275  
 STA. 609+50 TO STA. 610+50

DESIGN AGENCY



DESIGNER

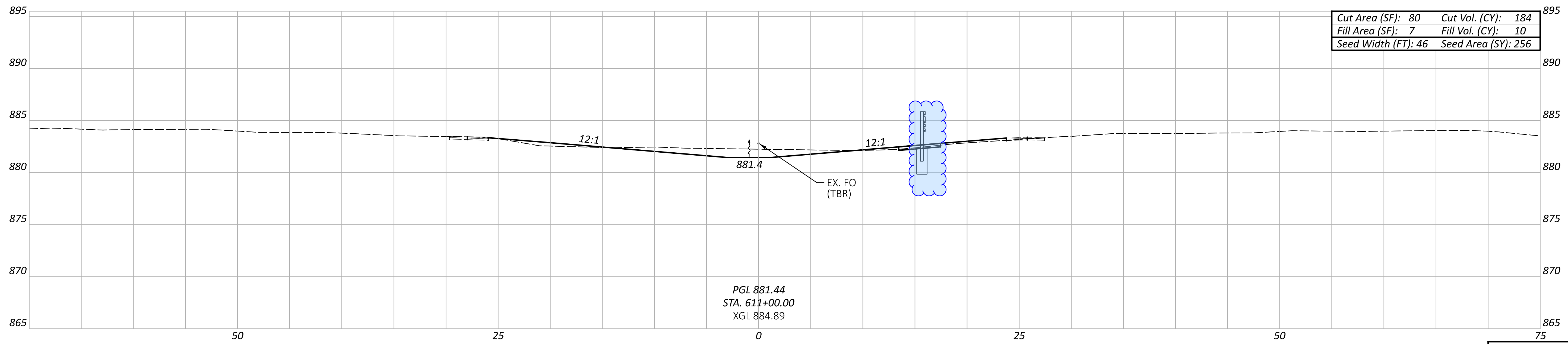
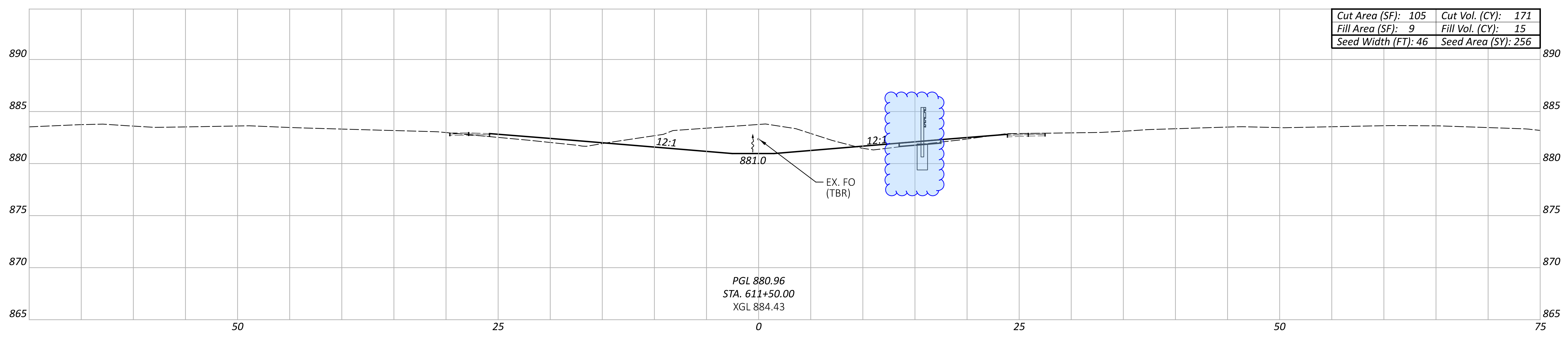
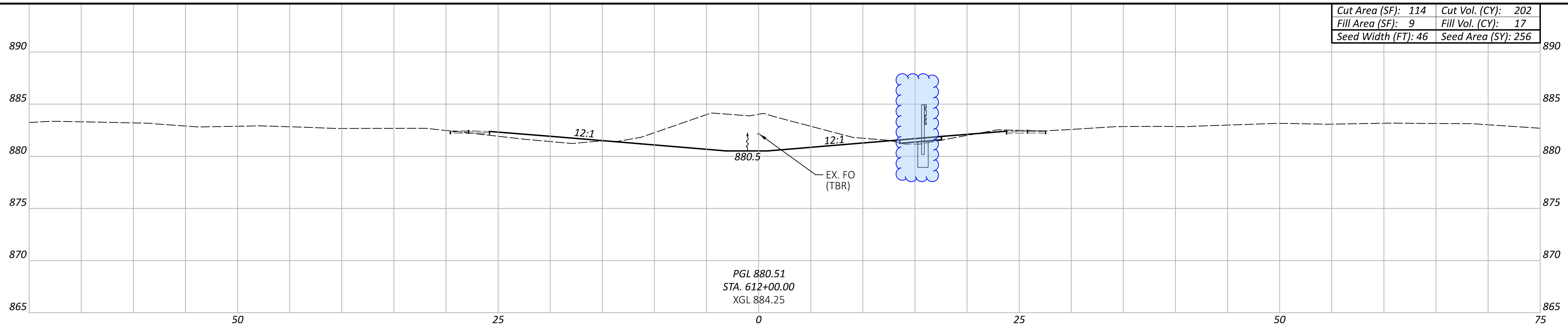
TCS

REVIEWER

XXX MM-DD-YY

PROJECT ID

118051



CROSS SECTIONS - I.R. 275  
 STA. 611+00 TO STA. 612+00

DESIGN AGENCY

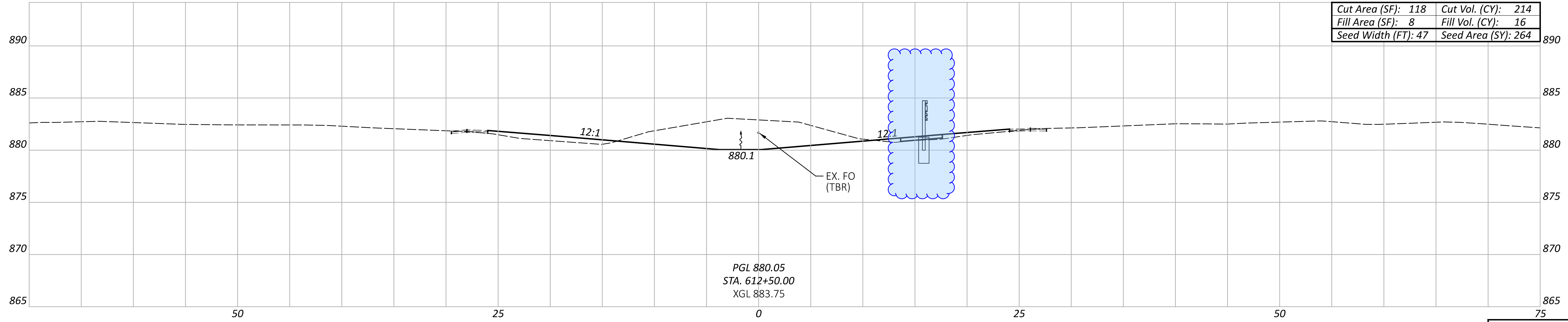
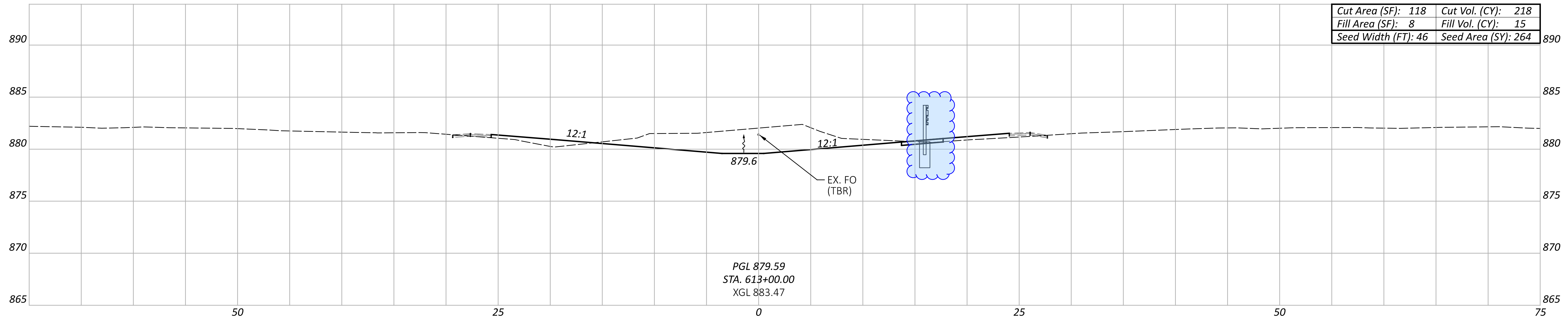
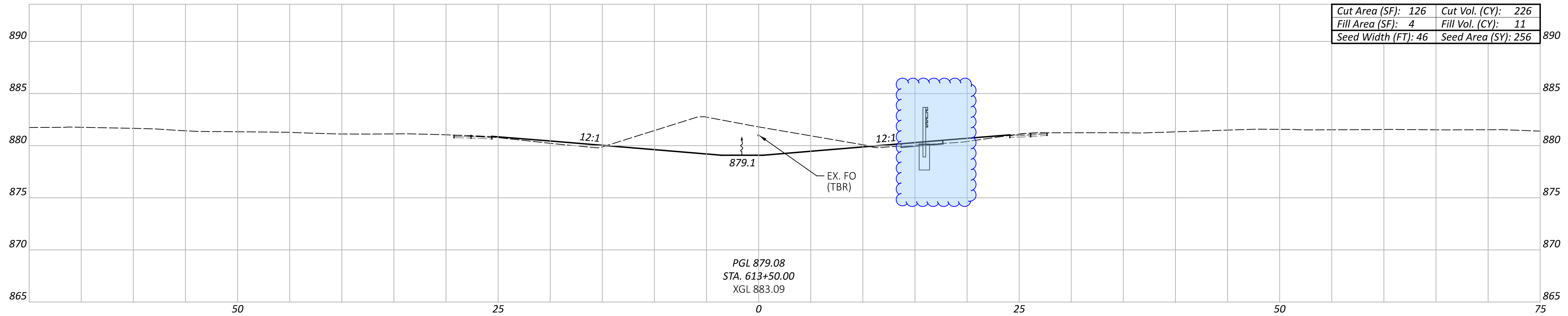


DESIGNER  
 TCS

REVIEWER  
 XXX MM-DD-YY

PROJECT ID  
 118051

Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
768	557	42	62	134



CROSS SECTIONS - I.R. 275  
 STA. 612+50 TO STA. 613+50

DESIGN AGENCY



DESIGNER

TCS

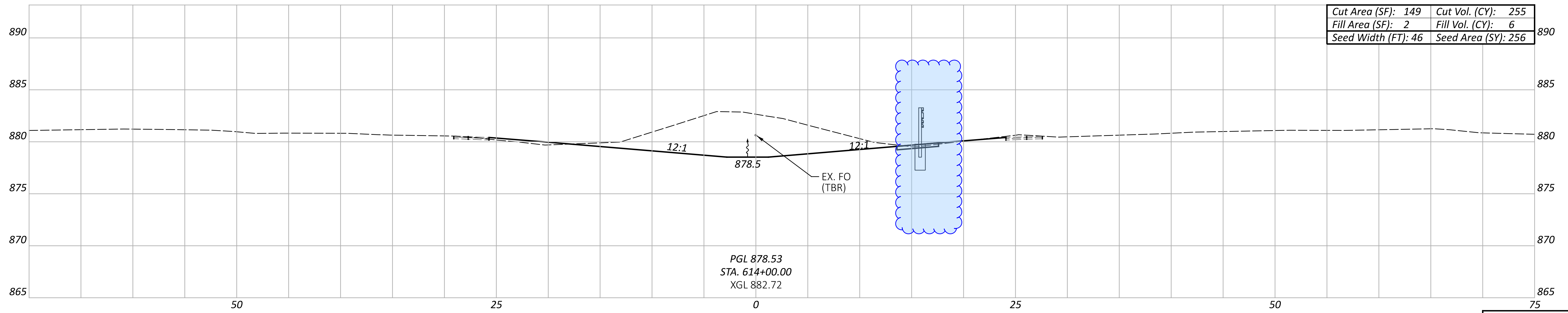
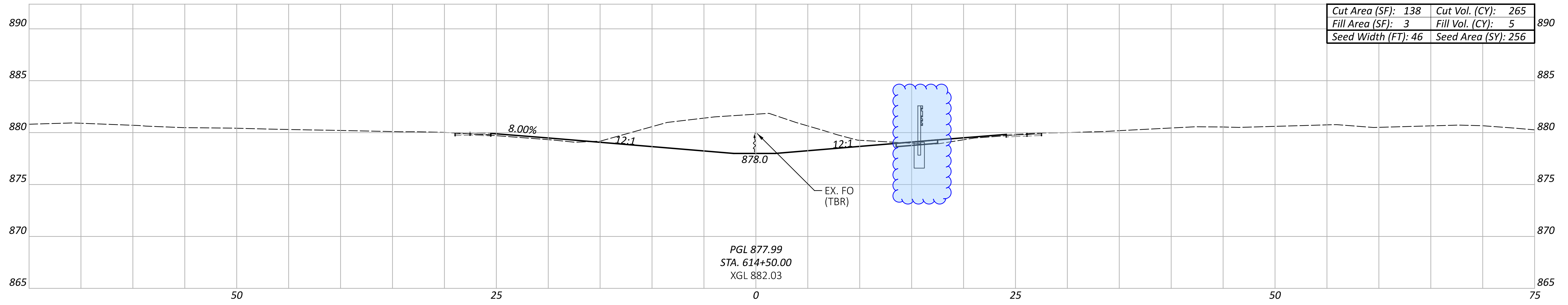
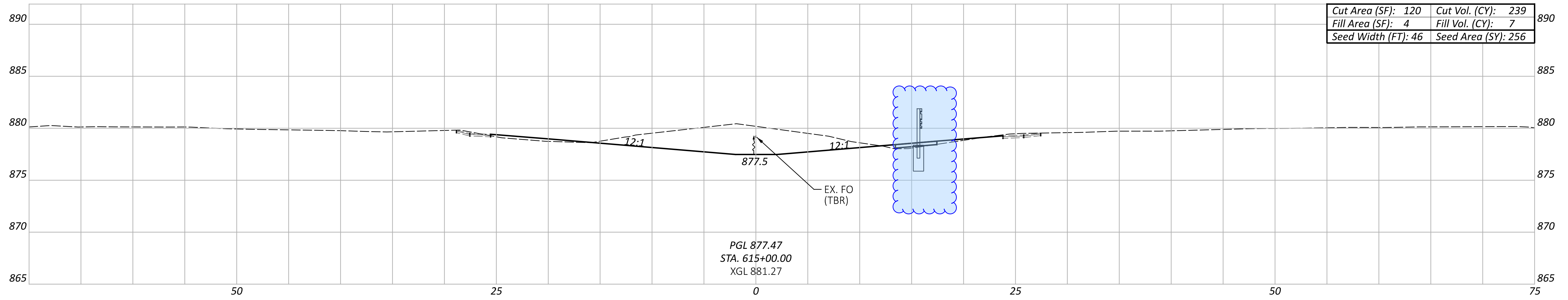
REVIEWER

XXX MM-DD-YY

PROJECT ID

118051

Sheet Totals			118051	
Seeding	Cut	Fill	SHEET	TOTAL
784	658	42	63	134



Sheet Totals			118051	
Seeding	Cut	Fill	SHEET	TOTAL
768	759	18	64	134

CROSS SECTIONS - I.R. 275  
 STA. 614+00 TO STA. 615+00

DESIGN AGENCY



DESIGNER

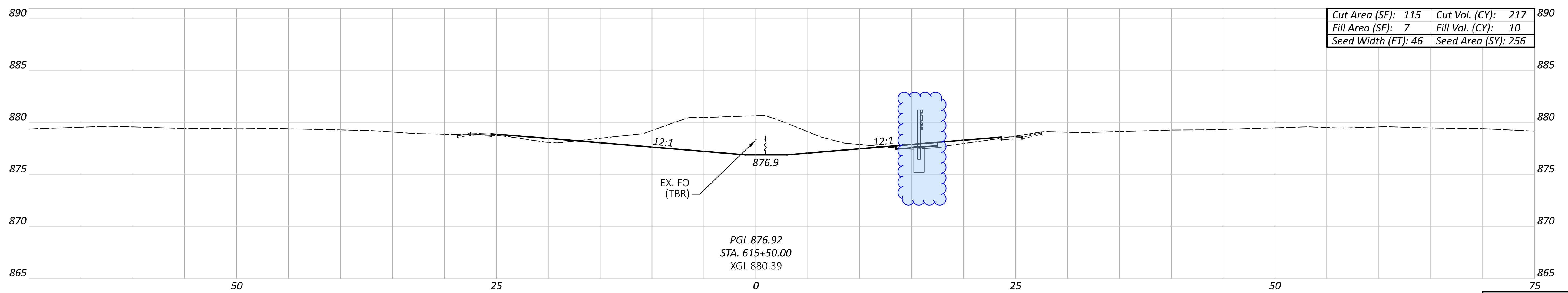
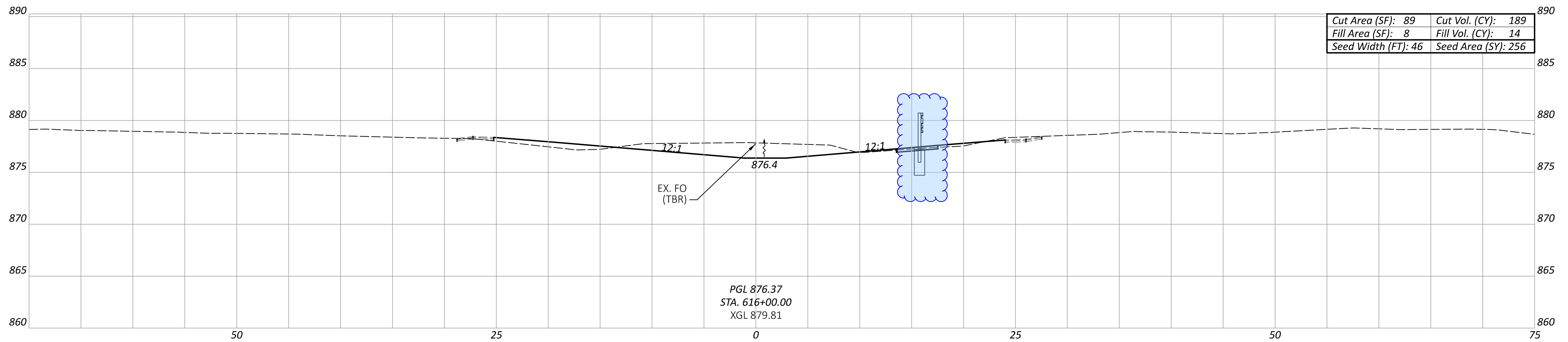
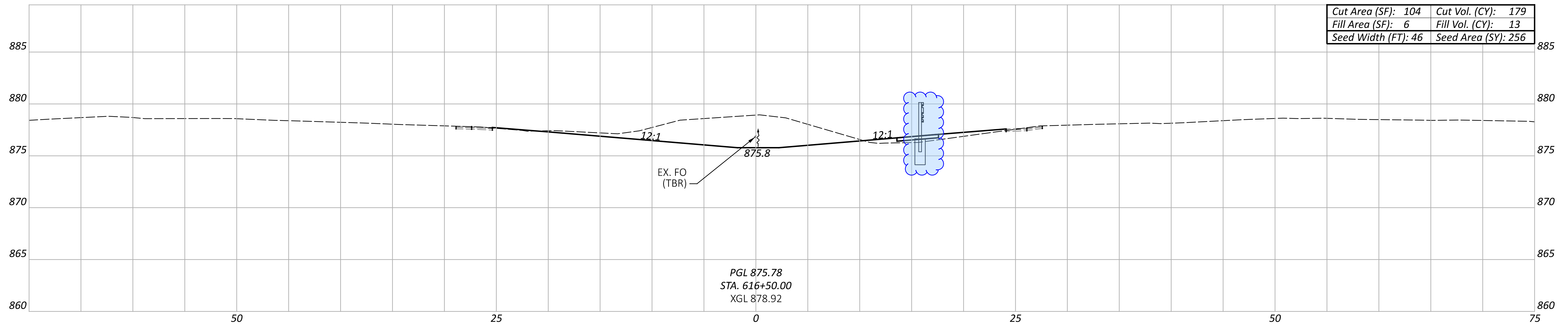
TCS

REVIEWER

XXX MM-DD-YY

PROJECT ID

118051



Sheet Totals			118051	
Seeding	Cut	Fill	SHEET	TOTAL
768	585	37	65	134

CROSS SECTIONS - I.R. 275  
 STA. 615+50 TO STA. 616+50

DESIGN AGENCY



DESIGNER

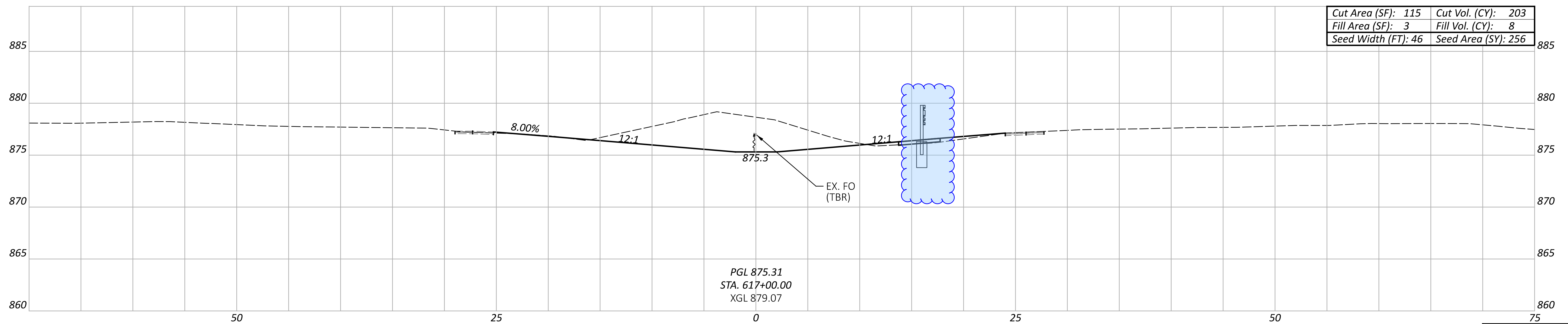
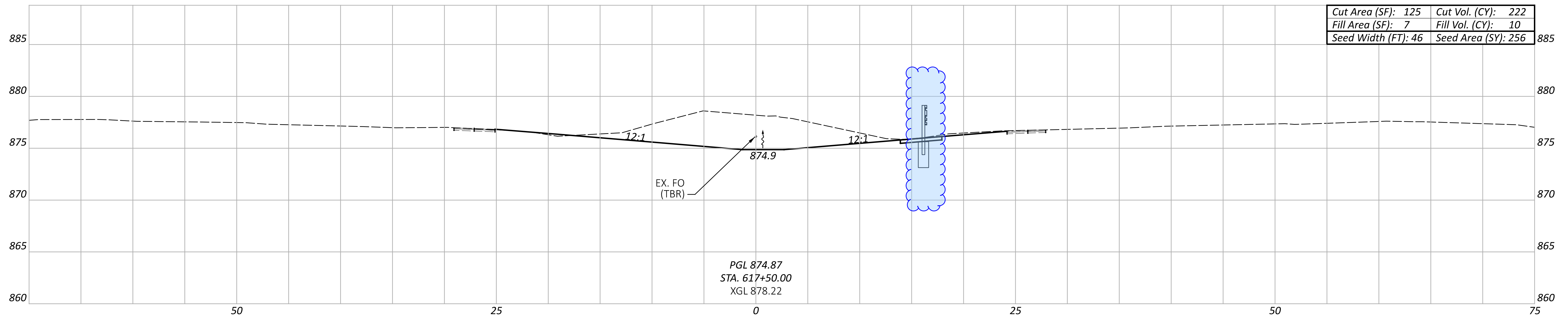
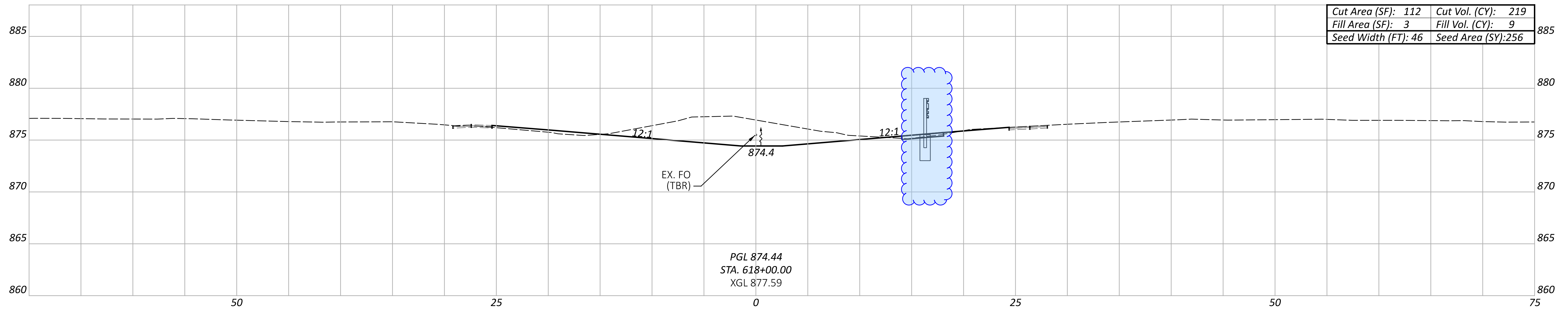
TCS

REVIEWER

XXX MM-DD-YY

PROJECT ID

118051



CROSS SECTIONS - I.R. 275  
STA. 617+00 TO STA. 618+00

DESIGN AGENCY

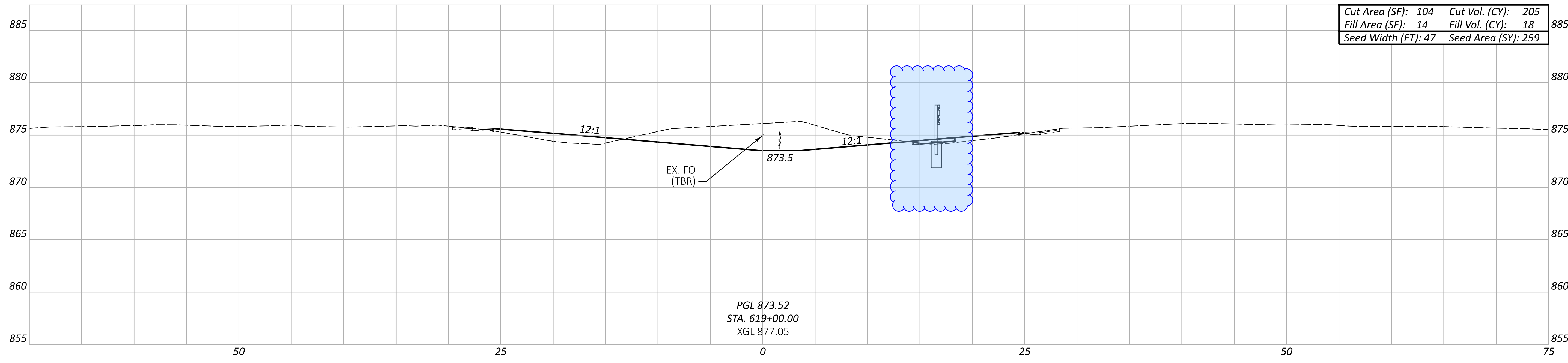


DESIGNER  
TCS

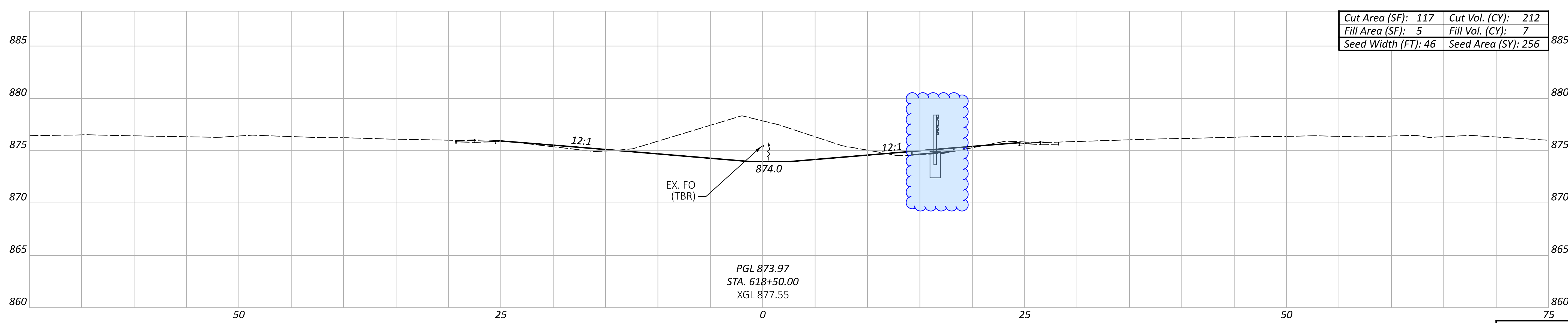
REVIEWER  
XXX MM-DD-YY

PROJECT ID  
118051

Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	66	134
768	644	27		



PGL 873.52  
 STA. 619+00.00  
 XGL 877.05



PGL 873.97  
 STA. 618+50.00  
 XGL 877.55

CROSS SECTIONS - I.R. 275  
 STA. 618+50 TO STA. 619+00

DESIGN AGENCY

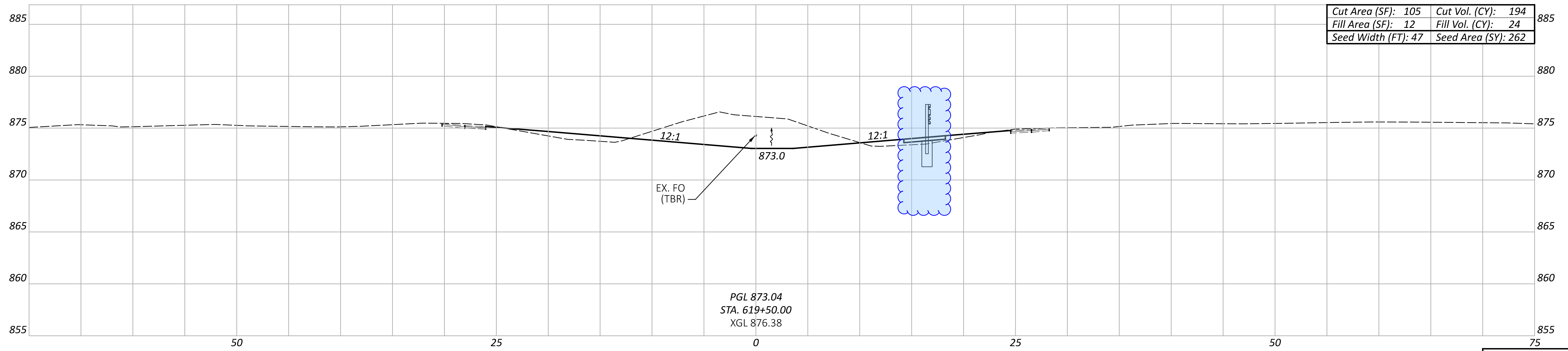
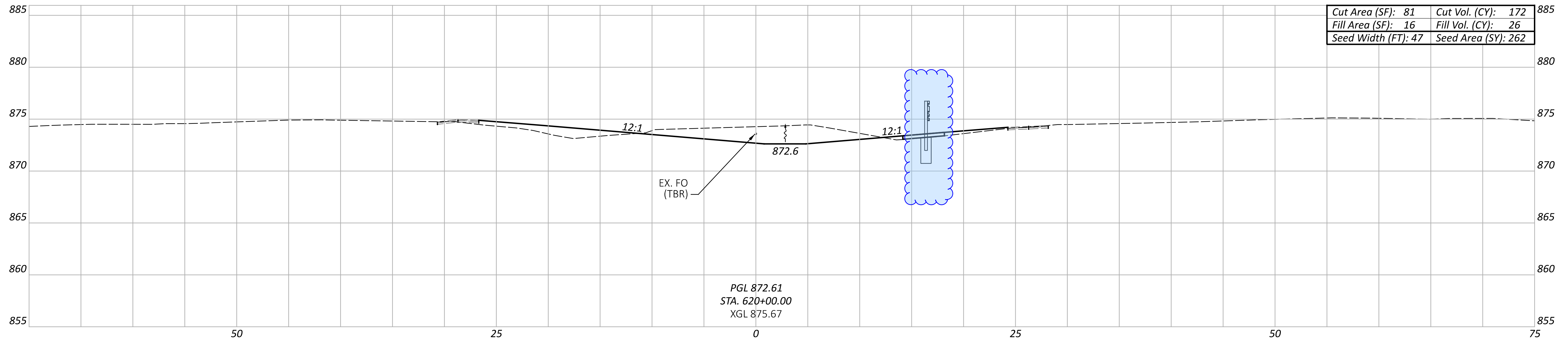


DESIGNER  
 TCS

REVIEWER  
 XXX MM-DD-YY

PROJECT ID  
 118051

Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
515	417	25	67	134



Sheet Totals			118051	
Seeding	Cut	Fill	SHEET	TOTAL
524	366	50	68	134

CROSS SECTIONS - I.R. 275  
 STA. 619+50 TO STA. 620+00

DESIGN AGENCY



DESIGNER

TCS

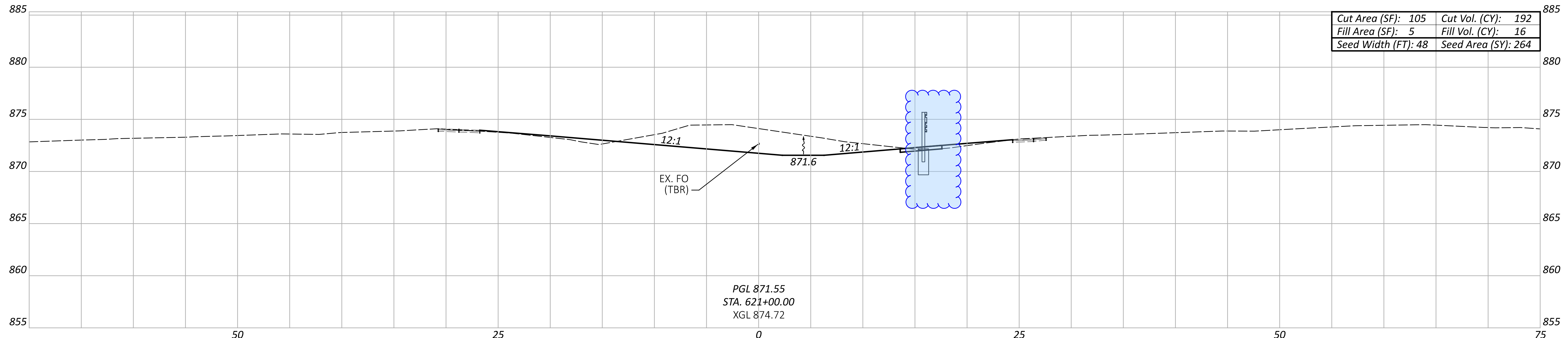
REVIEWER

XXX MM-DD-YY

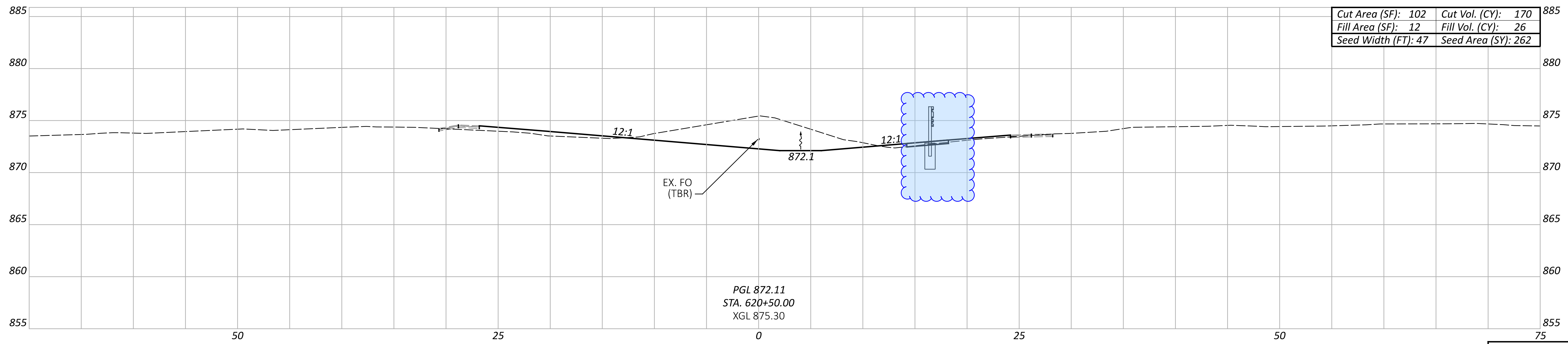
PROJECT ID

118051





PGL 871.55  
 STA. 621+00.00  
 XGL 874.72



PGL 872.11  
 STA. 620+50.00  
 XGL 875.30

CROSS SECTIONS - I.R. 275  
 STA. 620+50 TO STA. 621+00

DESIGN AGENCY



DESIGNER

TCS

REVIEWER

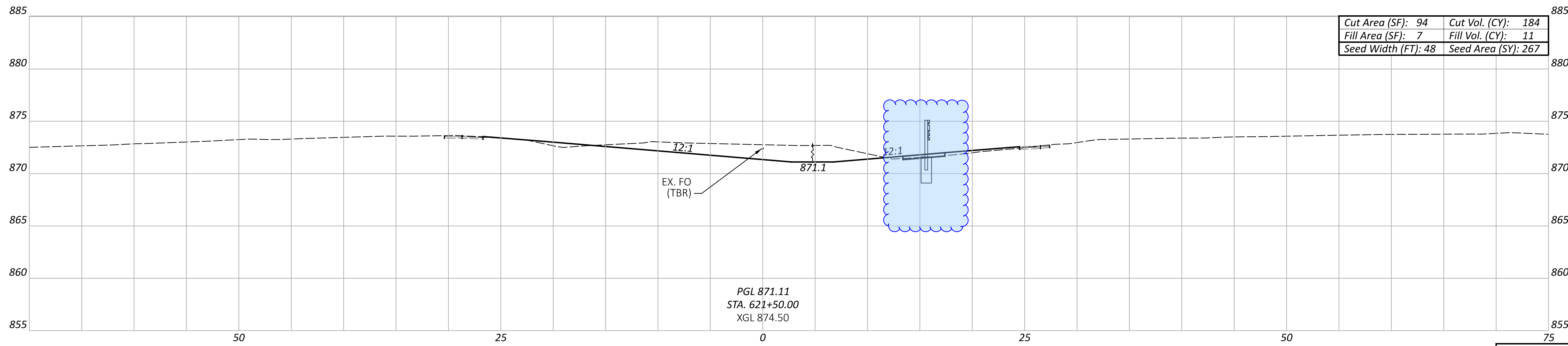
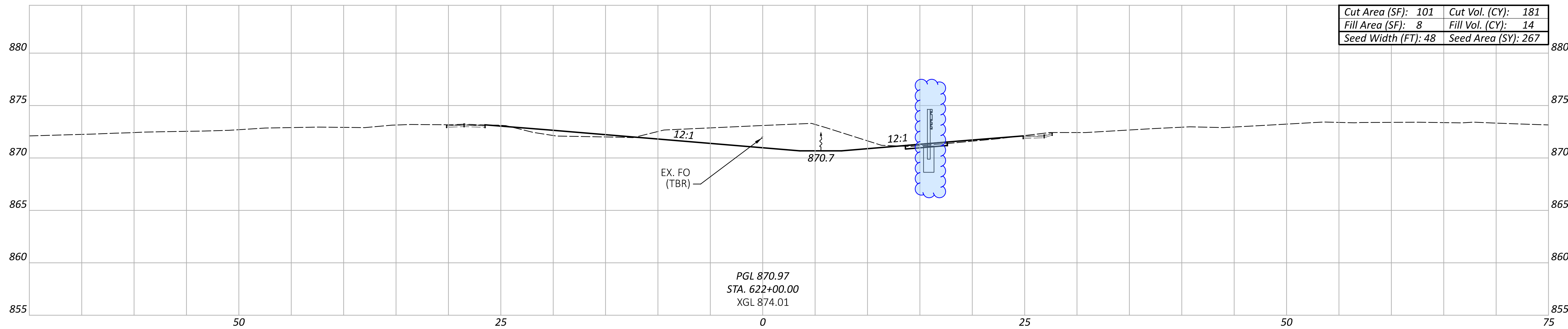
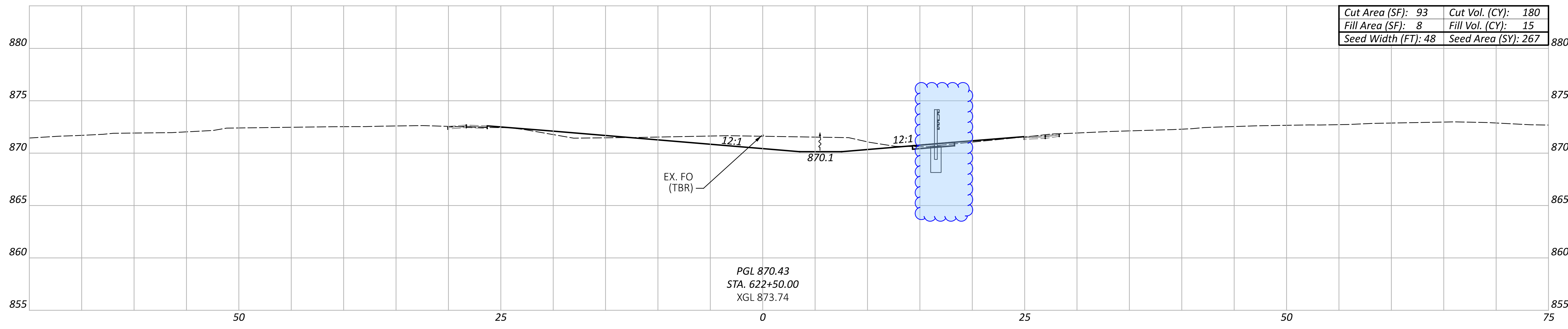
XXX MM-DD-YY

PROJECT ID

118051

Sheet Totals		
Seeding	Cut	Fill
526	362	42

SHEET	TOTAL
69	134



CROSS SECTIONS - I.R. 275  
 STA. 621+50 TO STA. 622+50

DESIGN AGENCY

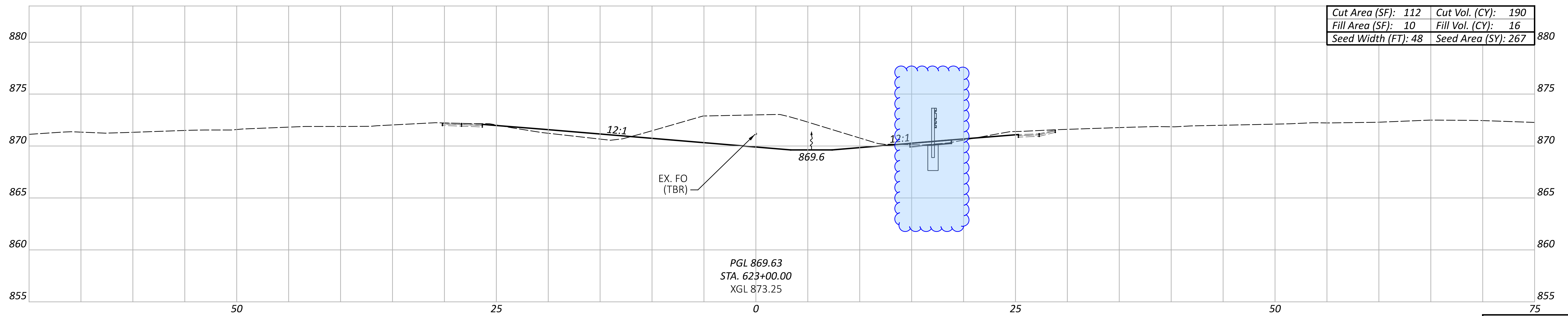
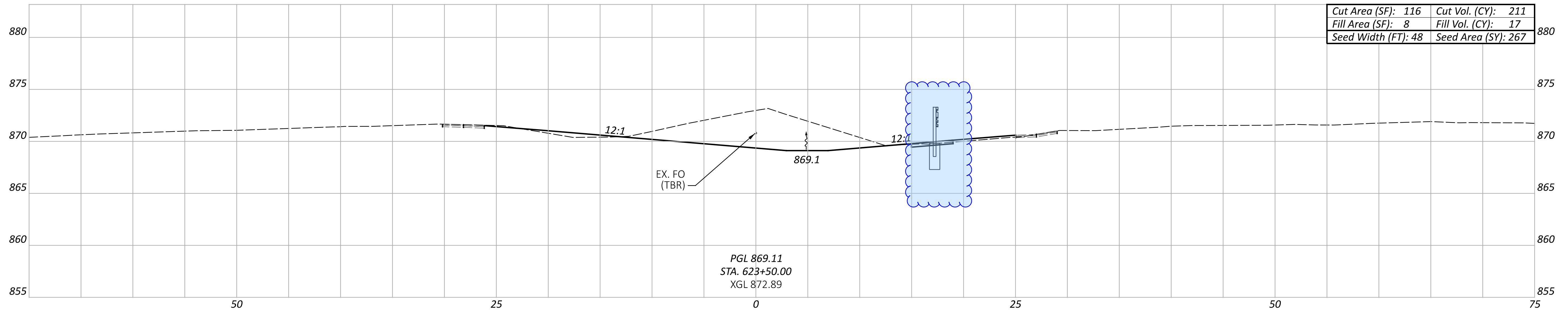
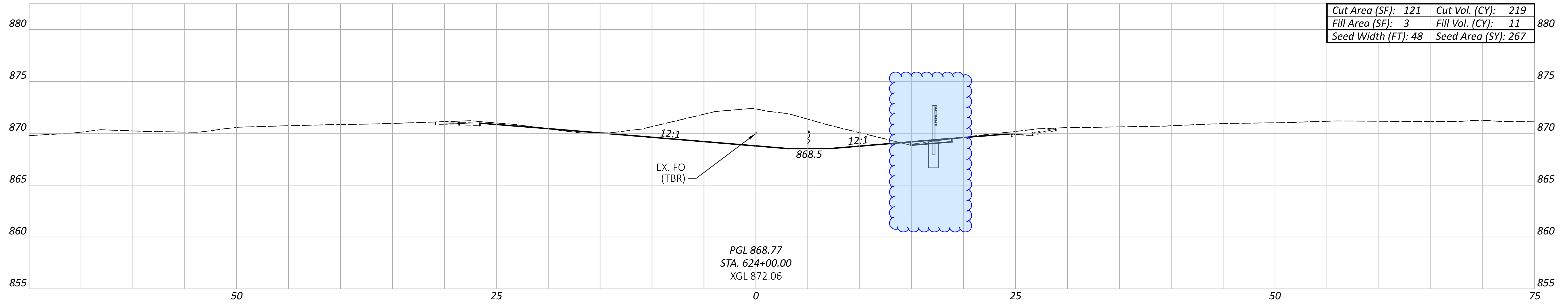


DESIGNER  
 TCS

REVIEWER  
 XXX MM-DD-YY

PROJECT ID  
 118051

Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
801	545	40	70	134



CROSS SECTIONS - I.R. 275  
 STA. 623+00 TO STA. 624+00

DESIGN AGENCY



DESIGNER

TCS

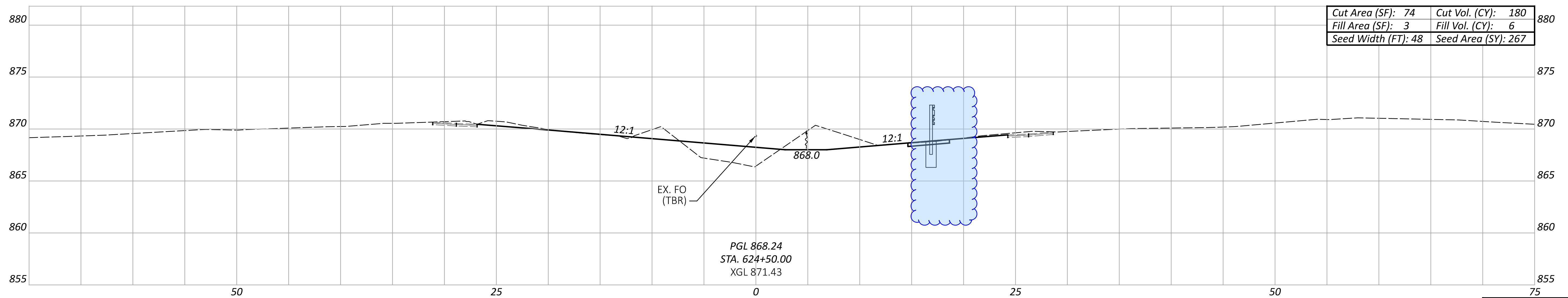
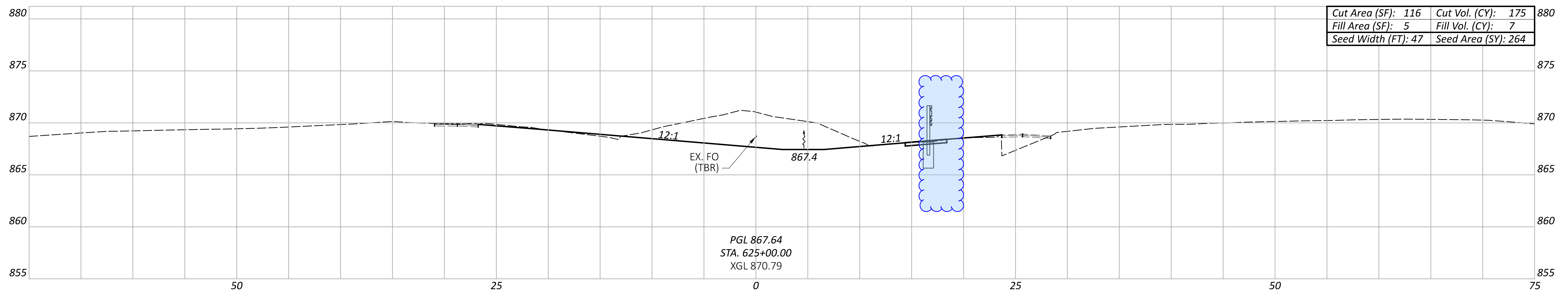
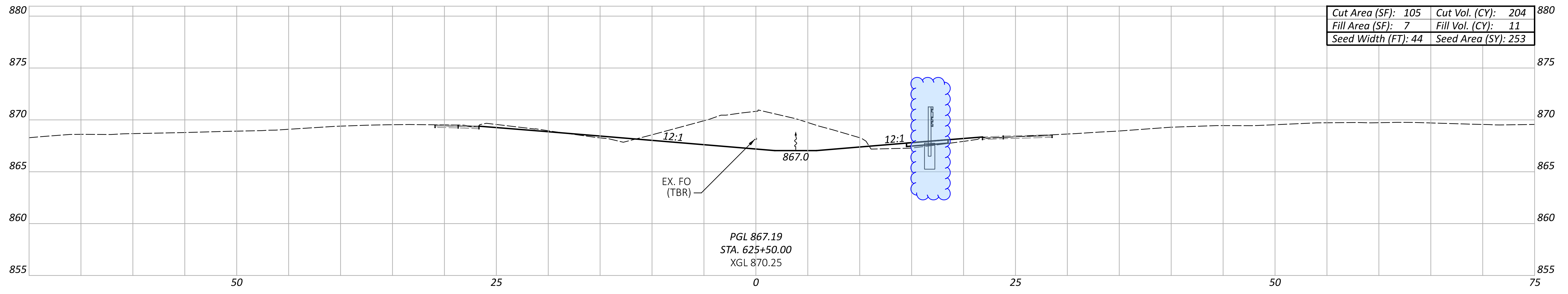
REVIEWER

XXX MM-DD-YY

PROJECT ID

118051

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill	71	134
801	620	44		



Sheet Totals			118051	
Seeding	Cut	Fill	SHEET	TOTAL
784	559	24	72	134

CROSS SECTIONS - I.R. 275  
 STA. 624+50 TO STA. 625+50

DESIGN AGENCY



DESIGNER

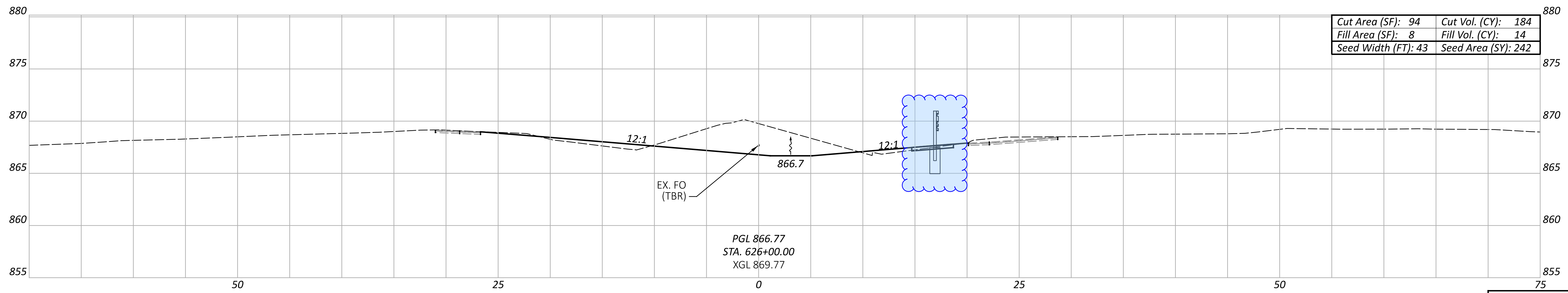
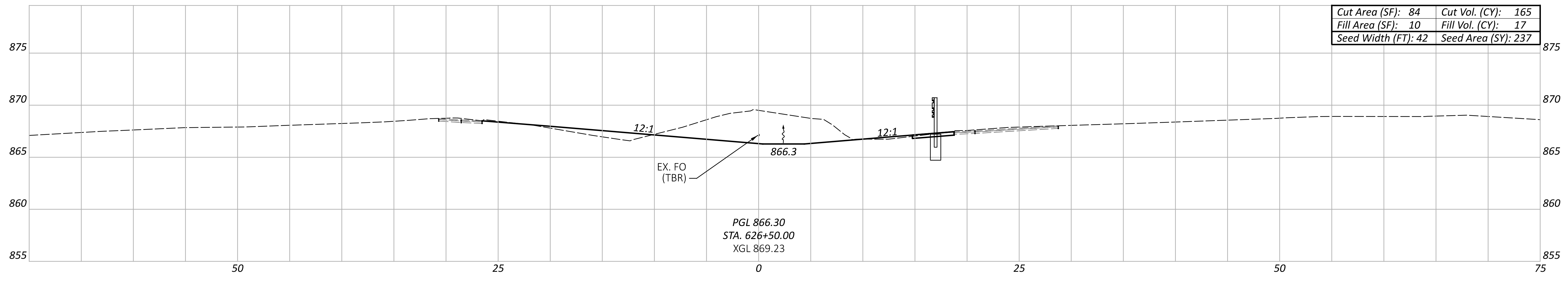
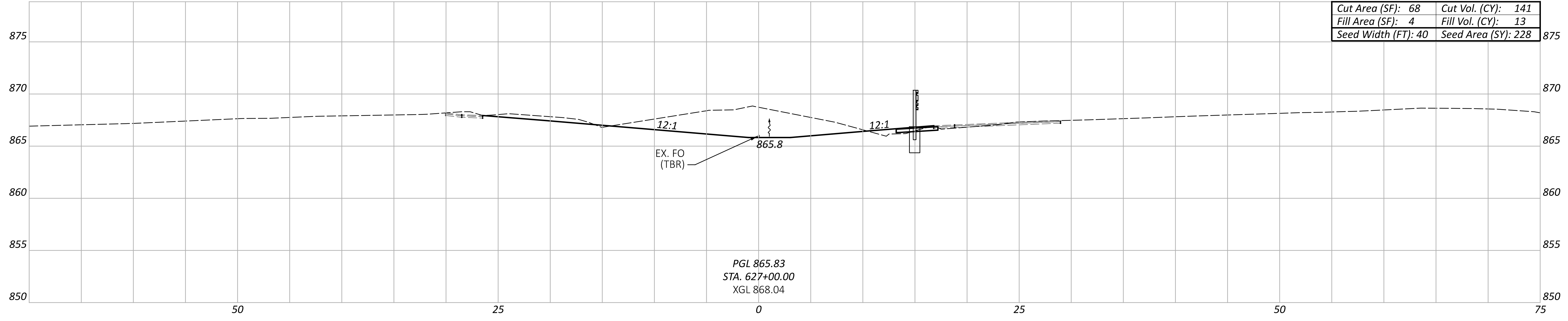
TCS

REVIEWER

XXX MM-DD-YY

PROJECT ID

118051



CROSS SECTIONS - I.R. 275  
 STA. 626+00 TO STA. 627+00

DESIGN AGENCY



DESIGNER

TCS

REVIEWER

XXX MM-DD-YY

PROJECT ID

118051

Sheet Totals		
Seeding	Cut	Fill
707	490	44

SHEET	TOTAL
73	134

SHEET NO.	203	203	659
	EXCAVATION	EMBANKMENT	SEEDING AND MULCHING
	CU YD	CU YD	SQ YD
I.R. 275			
42	183	8	134
43	645	5	801
44	596	18	801
45	674	15	810
46	605	15	816
47	579	17	798
48	662	14	793
49	621	26	801
50	589	24	793
51	554	45	791
52	500	15	804
53	497	62	804
54	520	33	798
55	554	40	786
56	618	58	795
57	648	18	786
58	725	20	786
59	201	43	793
60	518	55	788
61	623	38	778
62	557	42	768
63	658	42	784
64	759	18	768
65	585	37	768
66	644	27	768
67	417	25	515
68	366	50	524
69	362	42	526
70	545	40	801
71	620	44	801
72	559	24	784
73	490	44	707
74	310	11	348
75	565	26	743
76	630	29	783
77	593	49	793
78	641	28	801
79	553	65	790
80	514	16	801
81	583	53	801
82	601	46	785
83	565	41	783
84	594	58	798
85	691	24	801
86	648	50	788
87	602	76	786
88	674	50	786
89	743	73	786
90	664	74	786
91	405	25	524
92	364	42	524
93	547	74	798
94	307	86	526
95	3	0	0
TOTALS CARRIED TO GENERAL SUMMARY	29,471	2,000	39,101

CROSS SECTIONS - I.R. 275  
 EARTHWORK QUANTITIES

DESIGN AGENCY

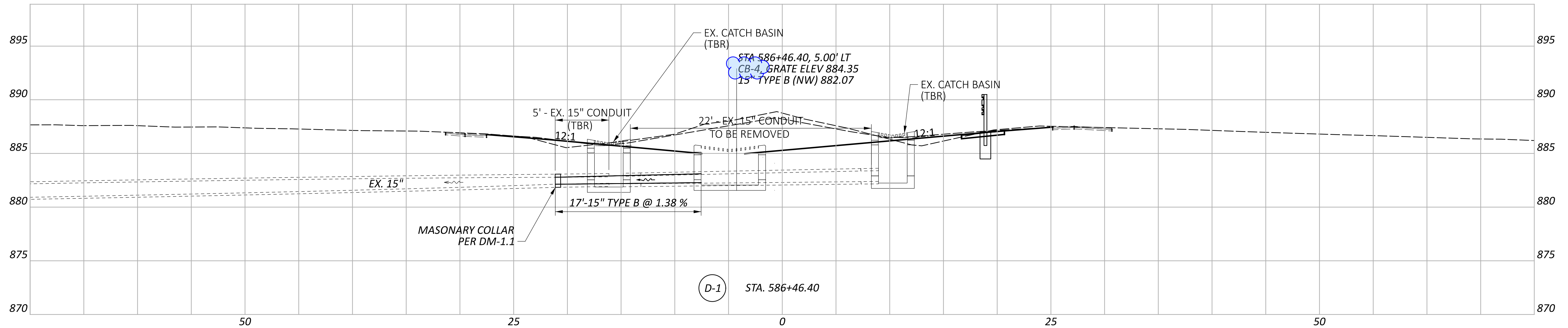
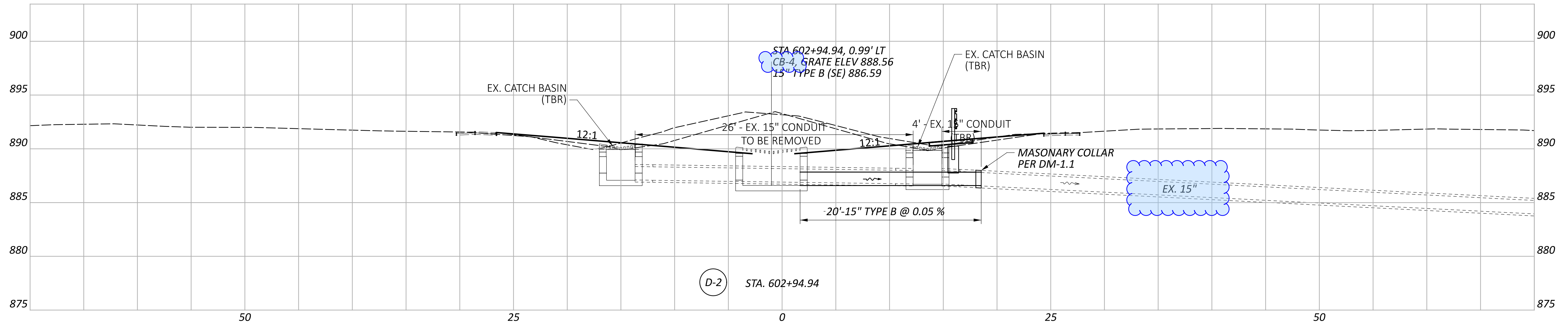
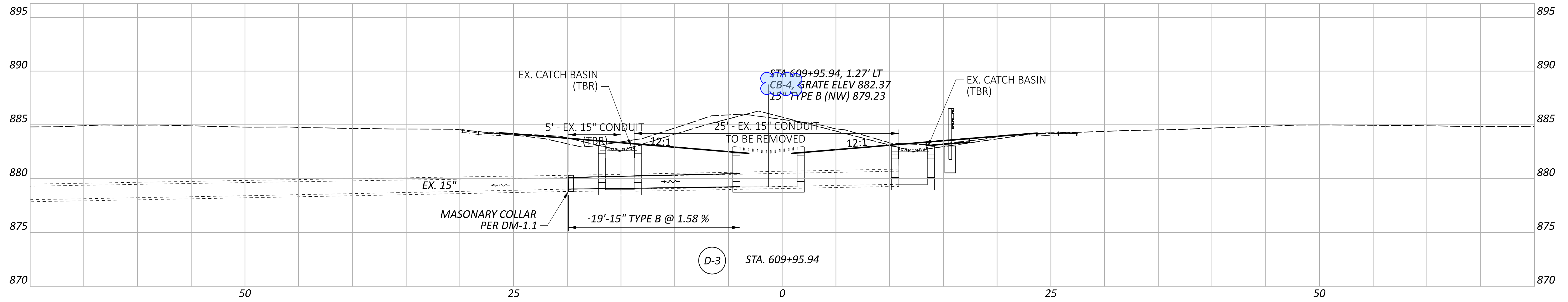


DESIGNER  
 TCS

REVIEWER  
 XXX MM-DD-YY

PROJECT ID  
 118051

SHEET TOTAL  
 96 134



DRAINAGE DETAIL SHEET  
STA. 586+46.40 & STA. 602+94.94 & STA. 609+95.94

DESIGN AGENCY



DESIGNER  
GAT

REVIEWER

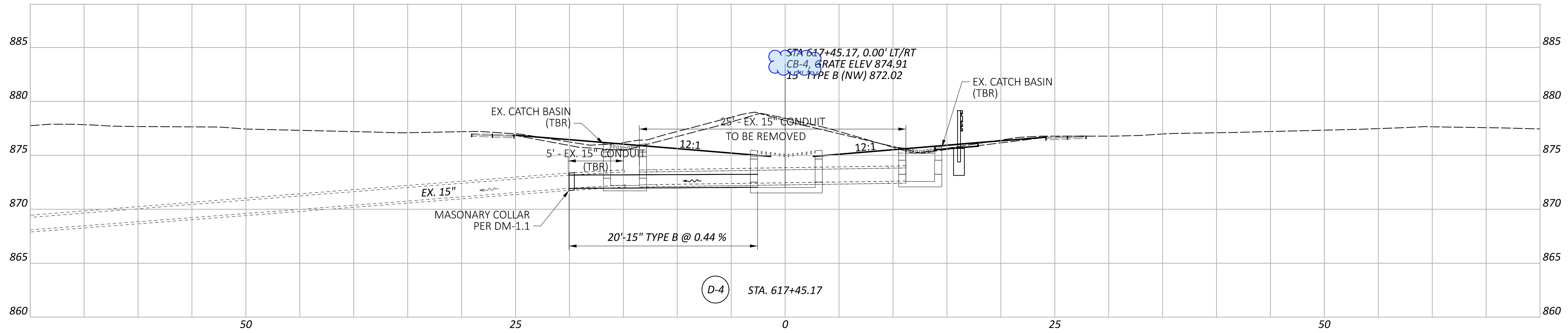
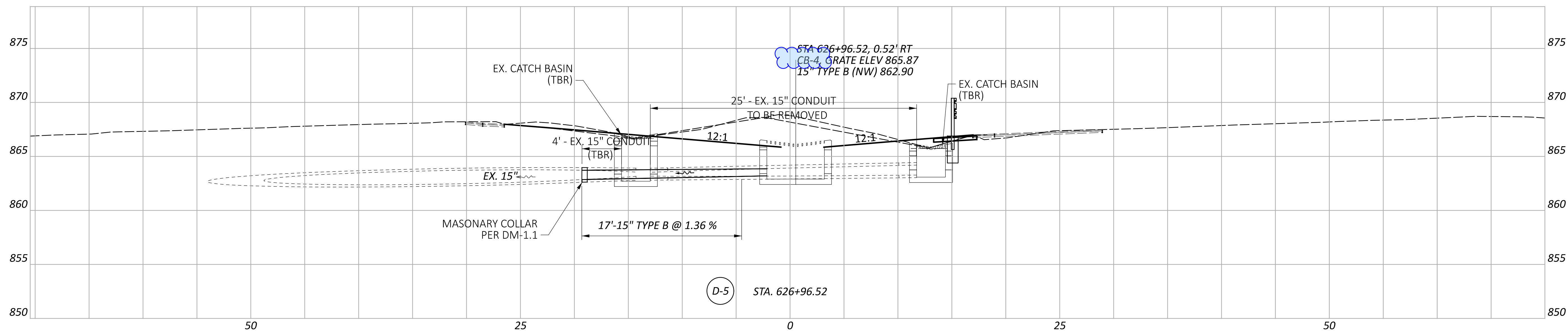
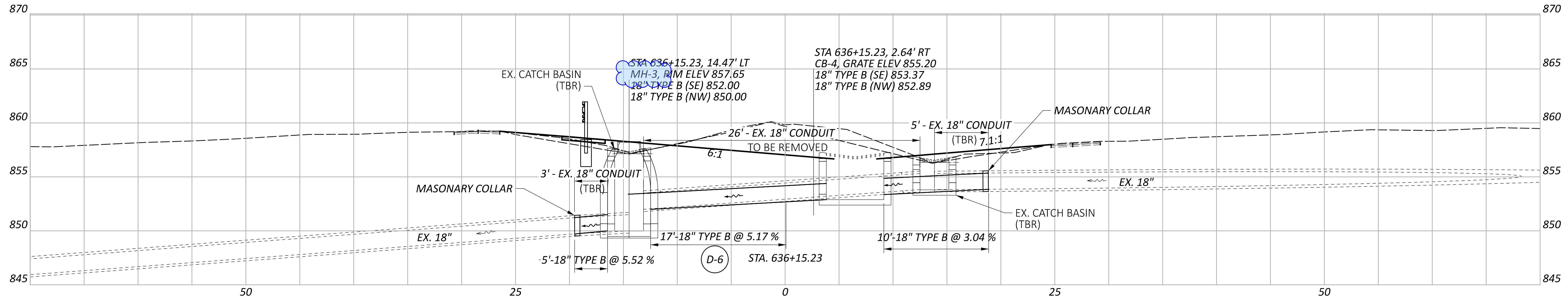
XXX MM-DD-YY

PROJECT ID


118051

SHEET TOTAL

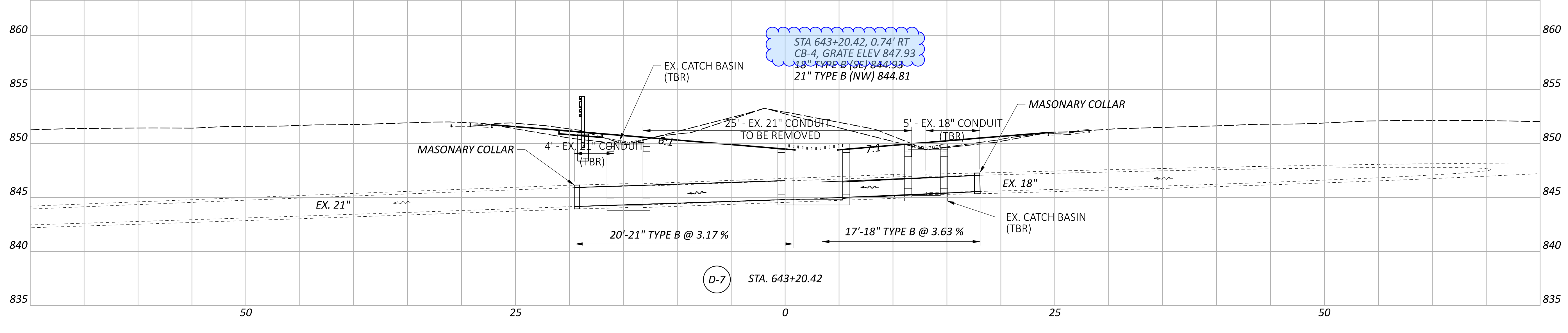
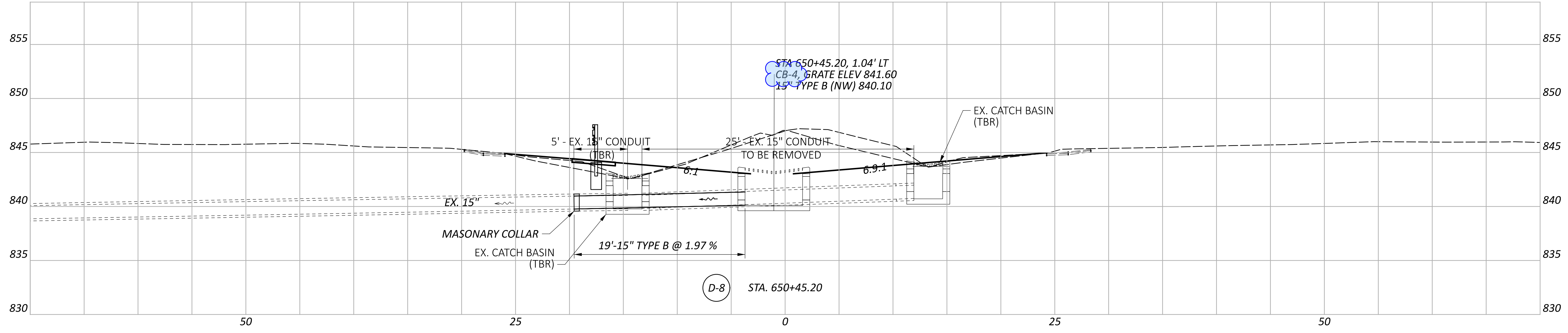
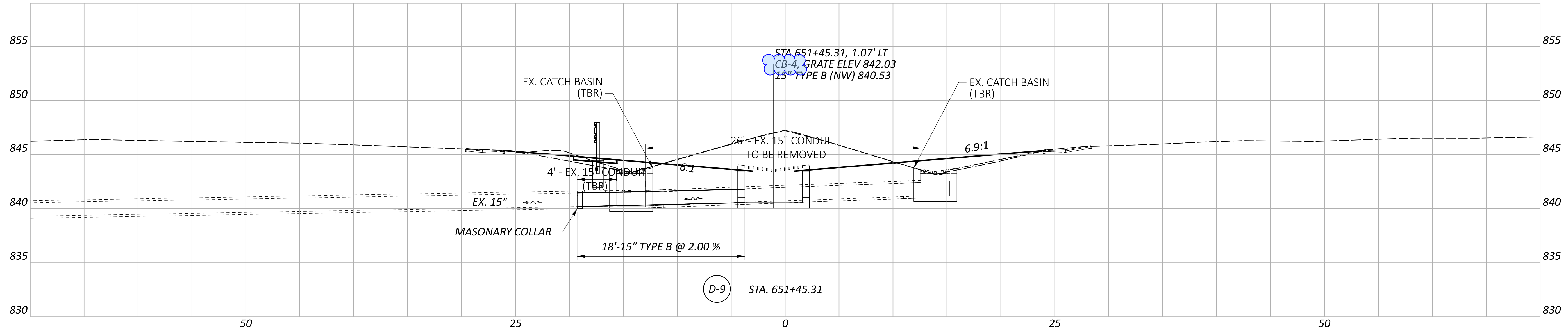
97 134



DRAINAGE DETAIL SHEET  
STA. 617+45.17 & STA. 626+96.52 & STA. 636+15.23

DESIGN AGENCY

DESIGNER GAT
REVIEWER XXX MM-DD-YY
PROJECT ID 118051
SHEET TOTAL 98 134





DRAINAGE DETAIL SHEET  
STA. 643+20.42 & STA. 650+45.20 & STA. 651+45.31

DESIGN AGENCY	
DESIGNER	GAT
REVIEWER	
PROJECT ID	118051
SHEET	TOTAL
99	134